

Welcome to the New Edition of Our Catalogue

We take immense pride in being guided by our core values of relationships, consistency, long-term vision, integrity, and aggressive growth. In years we have accomplished remarkable milestones, and our devotion to sustainability, innovation, and excellence continues to drive us at the front. In this latest edition, we are delighted to share the achievements and innovations that mark our path to becoming a global leader in the life sciences industry.

Abdos Group is an expanded conglomerate established in 1967, with diverse business divisions covering packaging, FMCG, distribution, contract manufacturing and life sciences. Over the years, we have consorted with leading companies like TATA, Hindustan Unilever, and ELIDA, fostering meaningful relationships built on trust and shared growth. This year, we have marked another major milestone with the installation of our manufacturing facility in Egypt, which is dedicated to FMCG contract manufacturing. This facility has a capacity of over 50,000 tonnes and the ability to produce more than 250+ SKUs across the personal care range. This strategic expansion enables us to serve the markets across North America, Europe, the Middle East, and Africa.

In 2010, the Life Sciences division of Abdos began, with global headquarters located in New Delhi, a manufacturing and distribution facility in Roorkee, India, a sales office in Kolkata, and a logistics subsidiary in Venlo, Netherlands. We ensure seamless service and product supply to customers across more than 90 countries worldwide.

The recent years have been crucial for Abdos Life Sciences as we believe in innovating, expanding, and serving supreme value to our customers. This is our 11th edition of the product catalogue with a diverse range of new products added which are designed to meet diverse laboratory needs, including Western Blot (Compact Blot), contact plates, large-capacity centrifuge tubes, bottle safety carriers, self-manufacturing desiccators, the Ampclear PCR range, compact PAGE mini-moulded vertical electrophoresis, the widest range of deep well plates, and Erlenmeyer flasks. These new advancements show up our commitment to precision, quality and innovation across our portfolio.

Abdos remains dedicated to continuing significant global presence. In 2024, we actively engaged in over 40+ roadshows across India and participated in prestigious events such as the CPHI Conference (New Delhi) and India Lab Expo (Hyderabad). We showcased our innovations at globally recognized trade fairs, including Medica (Dusseldorf), Analytica (Munich and Shanghai) and Arab lab (Dubai). We hosted an exciting channel meet in Vietnam to strengthen the collaboration with partners and distributors to share their insights on recent market trends and explore our latest product innovations. We are available on several social media channels, including LinkedIn, Facebook and website www.abdoslifesciences.com. All these platforms serve as vital hubs for product knowledge, technical support, and latest updates on industry trends.

Innovation remains to be at the heart of everything we do. Abdos innovative offerings includes Elegant Pipettes, one of the world's lightest pipettes globally, and the Biofill™ Vacuum Filtration System reflect our drive to develop user-friendly and high-performance equipment. In the area of accreditations, we are the first in Asia to set a benchmark for quality by obtaining certifications for IVD, IVDR, UKCA, ISO 14001, and ISO 18385. These certifications are a testament to the high-quality products and plant infrastructure at Abdos life sciences.

At Abdos Life Sciences, our primary focus on sustainability to reduce the plastic waste and minimize the environmental impact by utilizing the advanced recycling methods and innovative technologies. These initiatives align with our vision to foster a brighter and sustainable future for the industry and the world.

In the years to come, our aim continues excellence, innovation and growth. From being a reliable Indian brand to becoming a global player in life sciences. Our journey has been stated by firm dedication, hard work, and the trust of our stakeholders, partners, and consumers. We extend our sincere gratitude to our global family of employees, customers, and partners who encourage us every day to reach new heights. Together, we are forming a world of innovation, sustainability, and collaboration.

Here's to another exciting year of progress and success.

We thank all our stakeholders for their continuous support in driving the growth of Abdos.

Jai Hind!



A handwritten signature in black ink that reads "Shrey Agarwal". The signature is fluid and cursive, with a distinct 'Shrey' and 'Agarwal'.

Shrey Agarwal
CEO & Member Board of Directors
Abdos Labtech Pvt Ltd.

ABDOS MANUFACTURING PLANT

SPREAD OVER 40,000 SQUARE METERS



Roorkee, India



Facility validated from ISO CLASS 8 & equipped with latest robotics & automation machines



430+

PRODUCTS &
DELIVERING ACROSS

90+

COUNTRIES

Venlo, Netherlands



Roorkee, India



Robust warehouse
infrastructure helping
customers across
the globe



ASSURED QUALITY

Abdos is investing into the future with cutting-edge robotics and automation platforms to provide consistent and high-performance products. We have initiated "manufacturing happiness" at all our production locations and automation continues to be an integral strategy to achieve it.

QUALITY OBJECTIVE

We are committed to provide the best quality products to our consumers at best possible prices. We will strive to innovate and respond creatively and competitively to changes in external environment and technological advancement. We believe our strength lies in our employees and we are ever so willing to give them training, equipment and tools to empower them to be confident of quality. We conduct periodic reviews to ensure our plant and maintenance systems run effectively and efficiently so that there is no compromise on quality.

QUALITY MANAGEMENT

Abdos quality standards are certified according to ISO 9001 : 2015 through its state of the art production processes, quality inspections, process parameters, SOP and automations. Since 2015 Abdos has received NS-EN ISO 13485 : 2016 to establish itself as a high quality manufacturer of medical devices. Abdos believes in using the latest technologies with stringent quality control measures and periodic reviews to ensure our plants and warehouses run efficiently and effectively. We believe in the qualification and development of people in our organization and provide them with training, equipment and resources to empower them to be confident of quality.



MARKING

Products that fall under the scope of European Directive 98/79/EC on In Vitro Diagnostic Device have been specified as CE IVD in the catalogue. This helps us to comply with the general requirements and safety regulations of CE. Find CE IVD logo on the inside pages as shown here.



MARKING

ABDOS Life Sciences is proud to announce that it has achieved the EU IVDR Certification fulfilling the applicable requirements of the Regulation (EU) 2017/746 for its Product range.

We are among the "first" manufacturers of Life Sciences products to have IVDR certification and are able to anticipate the demands of our customers. Additionally, we are also able to demonstrate our commitment to providing quality of our Products, services, and timely delivery. In spite of our certifications, we will continually review our quality management system and quality policies. Moreover, we will continue to serve each customer to the best of our ability. With IVDR Certification, we intend to provide high-quality and consistent service to our end users. Moreover, we are going to keep investing in technology, development, processes, and product quality.

We, at Abdos, promise to provide complete consumer satisfaction by emphasizing strongly on continual improvement through lean business processes, with the engagement of employees at all levels.

Quality Control Process

01

Check Incoming Products

Incoming products like raw materials, packaging materials and consumables are checked for contaminants, strength and aesthetics according to the agreed specifications with the supplier.

03

Application Tests in Laboratory

Each product is checked for physical, chemical and biological functions. Our in-house labs perform the necessary application tests as an end-user, to certify the products are fit to be dispatched to customers.

02

On-line Quality Inspection

During the manufacturing process, the product quality is checked in every shift based on Standard Testing Protocols. If any deviations arise, the required improvements are done during manufacturing.

04

Final Pre-Dispatch Audit

Products are finally tested for proper verification of labels, packaging and documents. Traceability of products is verified at this stage for lot number, expiry date, manufacturing date, etc.

Quality Certifications

Products from Abdos Life Sciences provide the following certifications and application dependent features.



Central Drugs Standard Control Organization
Directorate General of Health Services
Ministry of Health & Family Welfare
Government of India
imdr 2017 (ivd/md)

Scan QR Code for All Certificates



IVDR (EU 2017/746),
E.A.R - CERTIFICATE
G PSD 2001/95/EC
& IVD 98/79/EC

UK RP CERTIFICATE REGULATION 19(3)
(c) UK MDR 2002

CE CERTIFICATE
(CERTIFICATE OF COMPLIANCE)

GOOD MANUFACTURING
PRACTICE, WHO - GMP



UKCA CERTIFIED



ISO 18385 : 2016
CERTIFICATE OF COMPLIANCE
FORENSIC DNA



ENVIRONMENT
MANAGEMENT SYSTEM
ISO 14001

Q qualityaustria
Succeed with Quality

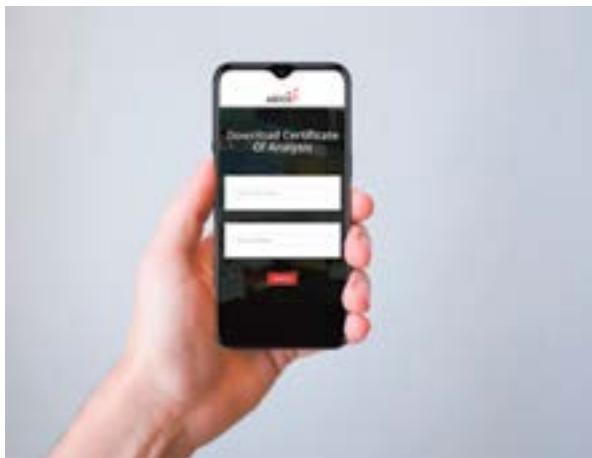
Q qualityaustria
Succeed with Quality

MEDICAL DEVICES
(Quality Management
System)
EN ISO 13485

QUALITY
MANAGEMENT
SYSTEM
ISO 9001

Abdos Knowledge Center

Abdos is more than just products. Our endeavour has always been to provide information on our products and services to optimize the daily work flow. Visit our knowledge center below.



COA Online

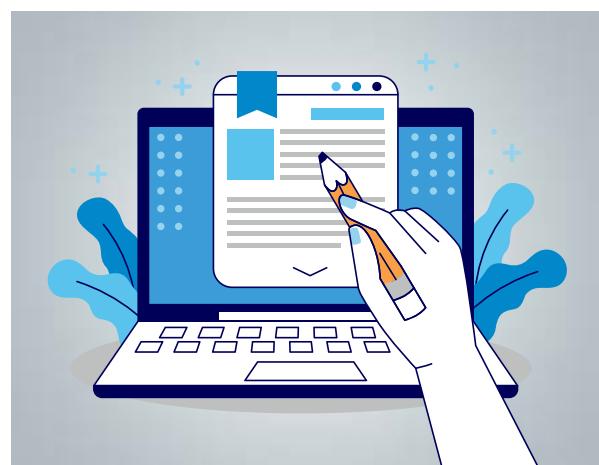
Visit ABDOS website and access all the latest COA files online.



Website

Everything you need to know about Abdos Life Sciences.

The screenshot shows the SelectScience website interface. At the top, there are navigation links for News & Advice, Products & Reviews, Write a Review, Selling Products, and The Scientist. Below this, there are category links for General Laboratory, Life Sciences, Pharma, Clinical, Analytical Chemistry, and Applied Sciences. The main content area is titled 'Abdos' and shows a product listing for 'ABDOS LIFE SCIENCES'. It includes a star rating of 4.8, 1,031 reviews, and a 'Company Website' link. To the right, there is a detailed product card for 'ABDOS' featuring a 'SelectScience' logo, a product image, and text about 'Dissolveable vials' and 'Dissolveable vials (1000)'. The product card also includes a 'View Details' button.



Connecting with Scientific community through Select Science

ABDOS is advancing knowledge via select Science by connecting with Scientific communities.



Blog & News

Discover the Latest Industry Advancements with Abdos!

Building Long-term Trust

High Quality Products

Abdos Life Sciences one of Asia's leading laboratory Lifesciences manufacturer offers industry-leading products, through efficient machines, precise moulds, virgin medical grade resins, ISO Class 8 clean room and latest robotics technology. Our products solve customer needs while performing in all aspects of functional, aesthetics, and packaging. Our product specifications are in-line with the expectations of our end-users. Technical Data Sheets and COA's on our website is a testament on our high quality. We follow a strong, robust, and strict quality management system to ensure no compromise in quality is served to the end users. We are well accredited with world class and comprehensive certificates like ISO 9001, ISO 13485, ISO 14001, UKCA, IVD and IVDR.

Innovation

Abdos Life Sciences is constantly thriving to offer its end-users innovative products and services. Our constant endeavor is to improve the performance of our products compared to competitors' products being used currently by our end users. We have made notable innovations in products, packaging, services, supply chain, customer engagements and marketing communications. One such example is our patented Generation II Racked Filter Pipette Tips powered by Anti-warpage and Anti-Shrink technology. Life Sciences industry is ever growing and its dynamics requires innovation which is a core value system at Abdos Life Sciences. Our dedicated R&D team is working to introduce new products and improve existing products through efficiency, precision, consistency, sustainability, and innovation.

Stable & Reliable Service

Stable, reliable, and consistent service is key to our vision and mission statement at Abdos Life Sciences. Even during the Covid pandemic with all the volatility of supply chain we were able to deliver products to our channel partners and end-users within reasonable lead times. Our modern warehouses equipped with latest technology, warehouse management system and SAP ERP made us forecast, manufacture, stock and deliver products in over 75 countries worldwide on-time. We are constantly reviewing our delivery performance and strive to improve them over time.

Consistency

At Abdos Life Sciences we believe consistency is the most important factor for a great user experience. We have made globally recognized products that are used by end-users in pharmaceutical, academic, diagnostics and research laboratories worldwide. Every product that is manufactured at our plants are consistently tested in our in-house world class testing laboratories before being dispatched to the end-users. Over time and experience we have made the right recipes and processes to offer consistent products to our end users. We do have periodic customer reviews and evaluate on how we could further improve our overall customer offering.

Sustainability

Waste be it in any form – plastic, paper, glass, or metal is harmful for the environment. At Abdos Life Sciences we are taking various steps in the direction of sustainability, reduction of industrial waste and harmful pollutants. Use of efficient, optimized machines and moulds, automatic production techniques and use of green logistics channels makes us one of the most sustainable responsible manufacturers in Asia. We take all steps to recycle, reduce and reuse all type of industrial waste at all our factories, warehouses, and offices. Use of digital marketing and electronic communication channels reduces the wastages of paper. At Abdos Life Sciences we aim to reduce our industrial waste by 10% per annum and contribute to a sustainable and brighter future.



GREEN LOGISTICS
Goods are transported by rail or sea whenever possible



PLASTIC OPTIMISATION
Hot runner mould ensures optimal plastic usage



ENERGY SAVER
Closed water cycle cooling process saves energy



LESS CARBON FOOTPRINT
The use of robotic & automation reduces human interference

AS A YOUNG AND CONSCIENTIOUS ORGANIZATION, ABDOS LIFE SCIENCES IS SETTING THE ENVIRONMENTAL STANDARDS FOR OTHERS TO FOLLOW.

ABDOS works towards creating a brighter, more sustainable future for our planet.

ABDOS is committed to contributing towards the "Go Green Initiative" by making sustainability the core of its business model. The ecological dimensions of operations are focused on Energy Efficiency, Water Efficiency, Waste/pollution management and Biodiversity.

ABDOS is integrating sustainability into business practices through employee engagement, customer stewardship, procurement, supply chain & its industry bodies.

CITATION



Royal Society of Chemistry



Institutes

1. Bhabha Atomic Research Centre, Department of Atomic Energy, Hyderabad.
2. Nuclear Fuel Complex, Department of Atomic Energy, Hyderabad.
3. Analytical Chemistry Division, Bhabha Atomic Research Centre, Department of Atomic Energy, Mumbai.

Topic

Development of a microwave-assisted digestion method for the rapid determination of chloride and fluoride in nuclear-grade boron carbide powders.

Product

ABDOS Centrifuge tubes of 15 mL and 50 mL capacity (Product code: P10402 & P10404)



Springer



Institutes

Manipal Academy of Higher Education & Mayo Clinic, Rochester.

Topic

Enhanced cell survival in prepubertal testicular tissue cryopreserved with membrane lipids and antioxidants rich cryopreservation medium.

Product

Abdos Cryovial (P60116)



Science Direct



Institutes

National Cancer Institute, National Institutes of Health, Frederick, MD 21702, USA.

Topic

Protocol for cytoskeleton staining of the semi-adherent multiple myeloma cell line RPMI 8226 by immunofluorescence.

Product

Pasteur pipette, LDPE (P31205)



Institutes

Wojskowa Akademia Techniczna

Topic

Application of graphene paper laser ablation for separation of cancer cells.

Product

ABDOS Centrifuge tube (15 ml graduated) (Product code: P10402)



Research Square



Institutes

Sri Dharmasthala Manjunatheshwara College of Dental Sciences and Hospital, A Constituent Unit of Sri Dharmasthala Manjunatheshwara (SDM) University.

Topic

Human Salivary Concentrations of Brain Derived Neurotrophic Factor Correlates with Subjective Pain Intensity Associated With Initial Orthodontic Therapy.

Product

Abdos - Freezing Tubes PP, Sterile



Bio protocol



Institutes

Aligarh Muslim University, Aligarh, India.

Topic

In-house Extraction and Purification of Pfu-Sso7d, a High-processivity DNA Polymerase.

Product

1. 50 mL tubes (Abdos, catalog number: P10424)
2. 1.5 mL tubes (Abdos, catalog number: P10202)



Elsevier



Institutes

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Main Campus, Chatha, Jammu (J&K), India.

Topic

Chitosan augments bioactive properties and drought resilience in drought-induced red kidney beans.

Product

ABDOS Swirlx-Vortex Shaker (Product code : E11190)



pubmed.ncbi.nlm.nih.gov



Institutes

College of Veterinary Medicine, University of Qadisiyah

Topic

mRNA expression of the severe acute respiratory syndrome-coronavirus 2 angiotensin-converting enzyme 2 receptor in the lung tissue of Wistar rats according to age

Product

ABDOS Micro Centrifuge tube

NOMENCLATURE

	CE certified
	Quality management system
	Quality management system - Medical Devices
	Environment Management System
	Petridish Standard
	Gamma sterilization (Sterile R)
	Forensic DNA Grade
	Accuracy Standards
	IVD CERTIFIED IVD 98/79/EC IVDR CERTIFIED Regulation EU 2017/746
	DNase RNase Free
	Endotoxin Free
	Human DNA free
	ATP & Pyrogen free
	PCR Inhibitor Free
	Heavy Metal Free
	Leak-proof Tested 635 mm/Hg
	Sterile (Gamma Irradiation / Ethylene oxide/ E Beam)
	SAL 10 ⁻⁶ – Sterility Assurance Level
	GC/MS (Gas chromatography & Mass Spectrophotometry Test)
	95 kPa pressure Test
	Autoclave / Non Autoclave
	121°C
	121°C
	New Product
	Alphanumeric Identification
	Product Suitable for food use
	Product Suitable for Real-time PCR
	Do not expose to flame
	Recyclable

The technical data(dimensions, capacities, resistances & icons) specified in this catalogue are approximated and for representation purposes only.
The resistances(to chemical products, temperature, centrifugation) may suffer variations depending on external conditions.
We recommend to test the product under the forecasted conditions of use. Please do not hesitate to ask for samples if necessary.

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Quality is the result of
a thought out effort



01

Centrifuge Techniques

Micro Centrifuge Tubes

Screw Cap Tubes with EPDM O-RING

Centrifuge Tubes

Racks for Micro Centrifuge Tubes

Racks for Centrifuge Tubes

Equipments & More

MICRO CENTRIFUGE TUBES, PP

- Abdos Micro Centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- These tubes can be used between -80°C to 121°C & with various organic solvents.
- These tubes are boil proof.
- These tubes come with integral snap cap.
- Frosting on the surface of the tubes makes writing easier.
- Large moulded-in graduations make identification easy.
- Can withstand up to 20000 xg RCF*.
- Amber coloured micro centrifuge tubes are suitable for light-sensitive samples. Do not allow any light to pass through the tubes.



Micro Centrifuges Tube, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Price/144 case (₹)
P10201	0.5 ml	10 mm	31.5 mm	1000	781	105716
P10202	1.5 ml	13 mm	41 mm	500	560	75802
P10202KT	1.5 ml	13 mm	41 mm	500	567	76749
P10203	2.0 ml	13 mm	41 mm	500	623	84329



Micro Centrifuges Tube, PP (Individually Wrapped, Sterile)

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P10201IS	0.5 ml	10 mm	31.5 mm	250	1030
P10202IS	1.5 ml	13 mm	41 mm	100	443
P10203IS	2 ml	13 mm	41 mm	100	458

Micro Centrifuges Tubes, PP (Coloured & Amber)

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P10207	0.5 ml Coloured	10 mm	31.5 mm	1000	931
P10201A	0.5 ml Amber	10 mm	31.5 mm	1000	1031
P10204	1.5 ml Coloured	13 mm	41 mm	500	676
P10204A	1.5 ml Amber	13 mm	41 mm	500	765
P10205	2.0 ml Coloured	13 mm	41 mm	500	729
P10203A	2.0 ml Amber	13 mm	41 mm	500	834

P10207, P10204 & P10205 are available in Red, Blue, Yellow and Green colour.



02 LAST DROP™, LOW RETENTION MICRO CENTRIFUGE TUBES, PP

- Abdos Micro Centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- These tubes can be used between -80°C to 121°C & with various organic solvents.
- Abdos low binding technology provides 10 times lesser retention level with highly viscous samples & saves costly reagents.
- These tubes are boil proof.
- These tubes come with integral snap cap.
- Frosting on the surface of the tubes makes writing easier.
- Large moulded-in graduations make identification easy.
- Can withstand up to 20000 xg RCF*.



Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P10208	0.5 ml	10 mm	31.5 mm	1000	1647
P10209	1.5 ml	13 mm	41 mm	500	1189
P10210	2 ml	13 mm	41 mm	500	1308

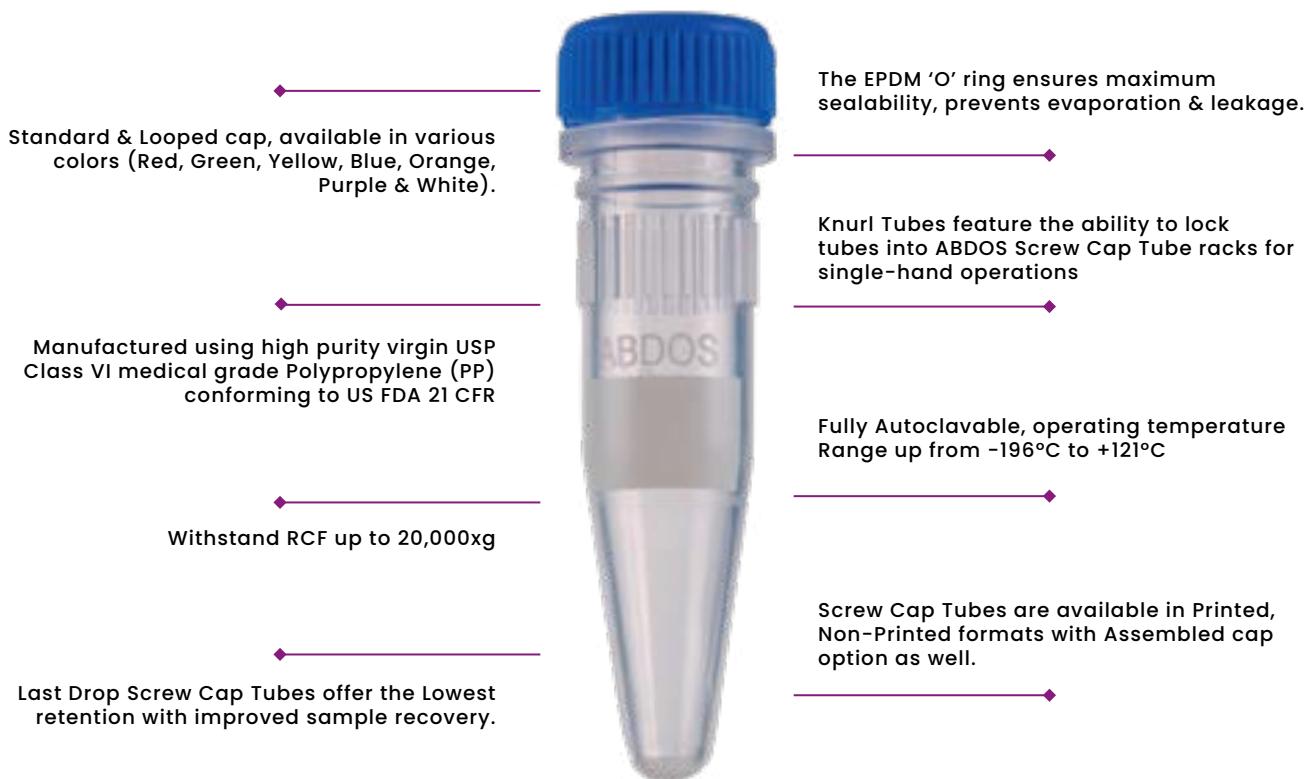


*Depending on the quality of Centrifuge and compatibility of Rotor.



ABDOS Screw Cap Tubes

An expert in Safe Sample Preparation



Scan to watch product video.

Non-printed and non-assembled

Non- Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0223	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6019
PI0227	1.5 ml Self-standing	10.2 mm	44 mm	1000	6019
PI0231	1.5 ml conical	10.2 mm	43.1 mm	1000	6019
PI0235	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	6019
PI0239	2.0 ml conical	10.2 mm	44.3 mm	1000	6019
PI0223A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	6734
PI0223AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	6672
PI0225	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	6672
PI0260A	1.5 ml amber Self-standing	10.2 mm	44 mm	1000	6734
PI0260AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	6672
PI0229	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	6672
PI0270A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	6734
PI0232AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	6672
PI0233	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	6672

** PI0225, PI0229, PI0233, PI0237, PI0241 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0224	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6700
PI0228	1.5 ml Self-standing	10.2 mm	44 mm	1000	6700
PI0232	1.5 ml Conical	10.2 mm	43.1 mm	1000	6700
PI0236	2.0 ml self-standing	10.2 mm	45.1 mm	1000	6700
PI0240	2.0 ml Conical	10.2 mm	44.3 mm	1000	6700
PI0224A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7495
PI0224AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	7495
PI0226	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	7495
PI0228A	1.5 ml amber Self-standing	10.2 mm	43.95 mm	1000	7495
PI0228AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	7424
PI0230	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	7495
PI0232A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7495
PI0270AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	7424
PI0234	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	7495

** PI0225, PI0229, PI0233, PI0237, PI0241 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Printed and Non-assembled

Non- Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P30223	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6416
P30227	1.5 ml Self-standing	10.2 mm	44 mm	1000	6416
P30231	1.5 ml conical	10.2 mm	43.1 mm	1000	6416
P30235	2.0 ml self-standing	10.2 mm	45.1 mm	1000	6416
P30239	2.0 ml conical	10.2 mm	44.3 mm	1000	6416
P30223A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7131
P30223AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	7069
P30225	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	7069
P30260A	1.5 ml amber Self-standing	10.2 mm	44 mm	1000	7131
P30260AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	7069
P30229	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	7069
P30270A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7131
P30232AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	7069
P30233	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	7069

***P30225, P30229, P30233, P30237, P30241 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P30224	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	7097
P30228	1.5 ml Self-standing	10.2 mm	44 mm	1000	7097
P30232	1.5 ml Conical	10.2 mm	43.1 mm	1000	7097
P30236	2.0 ml self-standing	10.2 mm	45.1 mm	1000	7097
P30240	2.0 ml Conical	10.2 mm	44.3 mm	1000	7097
P30224A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7892
P30224AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	7892
P30226	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	7892
P30228A	1.5 ml amber Self-standing	10.2 mm	43.95 mm	1000	7892
P30228AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	7822
P30230	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	7892
P30232A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7892
P30270AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	7822
P30234	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	7892

**P30226, P30230, P30234, P30238, P30242 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0272A	2.0 ml amber self-stand	10.2 mm	45.1 mm	1000	6734
PI0236AI	2.0 ml transparent amber self-stand	10.2 mm	45.1 mm	1000	6672
PI0237	2.0 ml coloured self-stand	10.2 mm	45.1 mm	1000	6672
PI0274A	2.0 ml amber conical	10.2 mm	44.3 mm	1000	6734
PI0240AI	2.0 ml transparent amber conical	10.2 mm	44.3 mm	1000	6672
PI0241	2.0 ml coloured conical	10.2 mm	44.3 mm	1000	6672

Last Drop Low Retention Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0222	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	8801
PI0243	1.5 ml Self-standing	10.2 mm	44 mm	1000	8801
PI0244	1.5 ml conical	10.2 mm	43.1 mm	1000	8801
PI0245	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	8801
PI0246	2.0 ml conical	10.2 mm	44.3 mm	1000	8801

Last Drop Low Retention Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0236A	2.0 ml amber	10.2 mm	45.1 mm	1000	7495
PI0272AI	2.0 ml transparent amber	10.2 mm	45.1 mm	1000	7424
PI0238	2.0 ml coloured	10.2 mm	45.1 mm	1000	7495
PI0240A	2.0 ml amber	10.2 mm	44.3 mm	1000	7495
PI0274AI	2.0 ml transparent amber	10.2 mm	44.3 mm	1000	7424
PI0242	2.0 ml coloured	10.2 mm	44.3 mm	1000	7495

Last Drop Low Retention Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P30222	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	9198
P30243	1.5 ml Self-standing	10.2 mm	44 mm	1000	9198
P30244	1.5 ml conical	10.2 mm	43.1 mm	1000	9198
P30245	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	9198
P30246	2.0 ml conical	10.2 mm	44.3 mm	1000	9198

Last Drop Low Retention Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P30236A	2.0 ml amber self-stand	10.2 mm	45.1 mm	1000	7892
P30272AI	2.0 ml transparent amber self-stand	10.2 mm	45.1 mm	1000	7822
P30238	2.0 ml coloured self-stand	10.2 mm	45.1 mm	1000	7892
P30240A	2.0 ml amber Conical	10.2 mm	44.3 mm	1000	7892
P30274AI	2.0 ml transparent amber Conical	10.2 mm	44.3 mm	1000	7822
P30242	2.0 ml coloured Conical	10.2 mm	44.3 mm	1000	7892

Last Drop Low Retention Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P30221	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	9823
P30247	1.5 ml Self-standing	10.2 mm	44 mm	1000	9823
P30248	1.5 ml conical	10.2 mm	43.1 mm	1000	9823
P30249	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	9823
P30250	2.0 ml conical	10.2 mm	44.3 mm	1000	9823

Non-Printed and Assembled

Non-Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P40223	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6302	P40272A	2.0 ml amber Self-standing	10.2 mm	45.1 mm	1000	7018
P40227	1.5 ml Self-standing	10.2 mm	44 mm	1000	6302	P40236AI	2.0 ml transparent amber Self-standing	10.2 mm	45.1 mm	1000	6955
P40231	1.5 ml conical	10.2 mm	43.1 mm	1000	6302	P40237	2.0 ml coloured Self-standing	10.2 mm	45.1 mm	1000	6955
P40235	2.0 ml self-standing	10.2 mm	45.1 mm	1000	6302	P40274A	2.0 ml amber conical	10.2 mm	44.3 mm	1000	7018
P40239	2.0 ml	10.2 mm	44.3 mm	1000	6302	P40240AI	2.0 ml transparent amber conical	10.2 mm	44.3 mm	1000	6955
P40233A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7018	P40241	2.0 ml coloured conical	10.2 mm	44.3 mm	1000	6955
P40223AI	0.5 ml transparent amber self-standing	10.2 mm	43.85 mm	1000	6955						
P40225	0.5 ml colour self-standing	10.2 mm	43.85 mm	1000	6955						
P40260A	1.5 ml amber self-standing	10.2 mm	44 mm	1000	7018						
P40260AI	1.5 ml transparent amber self-standing	10.2 mm	44 mm	1000	6955						
P40229	1.5 ml colour self-standing	10.2 mm	44 mm	1000	6955						
P40270A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7018						
P40232AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	6955						
P40233	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	6955						

**P40225, P40229, P40233, P40237, P40241 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P40224	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6984	P40236A	2.0 ml amber	10.2 mm	45.1 mm	1000	7779
P40228	1.5 ml Self-standing	10.2 mm	44 mm	1000	6984	P40272AI	2.0 ml transparent amber	10.2 mm	45.1 mm	1000	7708
P40232	1.5 ml Conical	10.2 mm	43.1 mm	1000	6984	P40238	2.0 ml coloured	10.2 mm	45.1 mm	1000	7779
P40236	2.0 ml self-standing	10.2 mm	45.1 mm	1000	6984	P40240A	2.0 ml amber	10.2 mm	44.3 mm	1000	7779
P40240	2.0 ml Conical	10.2 mm	44.3 mm	1000	6984	P40274AI	2.0 ml transparent amber	10.2 mm	44.3 mm	1000	7708
P40224A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7779	P40242	2.0 ml coloured	10.2 mm	44.3 mm	1000	7779
P40224AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	7779						
P40226	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	7779						
P40228A	1.5 ml amber Self-standing	10.2 mm	43.95 mm	1000	7779						
P40228AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	7708						
P40230	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	6984						
P40232A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7779						
P40270AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	7708						
P40234	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	7779						

**P40226, P40230, P40234, P40238, P40242 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Printed and Assembled

Non-Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P50223	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6700	P50272A	2.0 ml amber self-standing	10.2 mm	45.1 mm	1000	7415
P50227	1.5 ml Self-standing	10.2 mm	44 mm	1000	6700	P50236AI	2.0 ml transparent amber self-standing	10.2 mm	45.1 mm	1000	7353
P50231	1.5 ml conical	10.2 mm	43.1 mm	1000	6700	P50237	2.0 ml coloured self-standing	10.2 mm	45.1 mm	1000	7353
P50235	2.0 ml self-standing	10.2 mm	45.1 mm	1000	6700	P50274A	2.0 ml amber Conical	10.2 mm	44.3 mm	1000	8106
P50239	2.0 ml conical	10.2 mm	44.3 mm	1000	6700	P50240AI	2.0 ml transparent amber Conical	10.2 mm	44.3 mm	1000	
P50223A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7415	P50241	2.0 ml coloured Conical	10.2 mm	44.3 mm	1000	7353
P50223AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	7353						
P50225	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	7353						
P50260A	1.5 ml amber self-standing	10.2 mm	44 mm	1000	7415						
P50260AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	7353						
P50229	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	7353						
P50270A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7415						
P50232AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	7353						
P50233	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	7353						

**P50225, P50229, P50233, P50237, P50241 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Sterile Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P50224	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	7381	P50236A	2.0 ml amber self-stand	10.2 mm	45.1 mm	1000	8176
P50228	1.5 ml Self-standing	10.2 mm	44 mm	1000	7381	P50272AI	2.0 ml transparent amber self-standing	10.2 mm	45.1 mm	1000	8106
P50232	1.5 ml Conical	10.2 mm	43.1 mm	1000	7381	P50238	2.0 ml coloured self-standing	10.2 mm	45.1 mm	1000	8176
P50236	2.0 ml self-standing	10.2 mm	45.1 mm	1000	7381	P50240A	2.0 ml amber Conical	10.2 mm	44.3 mm	1000	8176
P50240	2.0 ml Conical	10.2 mm	44.3 mm	1000	7381	P50274AI	2.0 ml transparent amber Conical	10.2 mm	44.3 mm	1000	8106
P50224A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	8176	P50242	2.0 ml coloured Conical	10.2 mm	44.3 mm	1000	8176
P50224AI	0.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	8106						
P50226	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	8176						
P50228A	1.5 ml amber Self-standing	10.2 mm	43.95 mm	1000	8176						
P50228AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	10107						
P50230	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	10107						
P50232A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	8176						
P50270AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	8106						
P50234	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	8176						

**P50226, P50230, P50234, P50238, P50242 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Non-Printed Screw Cap Tube with Looped Cap

Non-Sterile Screw cap tubes with Looped Cap

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0252	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	6921
PI0254	1.5 ml Self-standing	10.2 mm	44 mm	1000	6921
PI0256	1.5 ml conical	10.2 mm	43.1 mm	1000	6921
PI0258	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	6921
PI0260	2.0 ml conical	10.2 mm	44.3 mm	1000	6921
PI0252A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	7745
PI0252AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	7674
PI0262	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	7674
PI0254A	1.5 ml amber Self-standing	10.2 mm	44 mm	1000	7745
PI0254AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	7674
PI0264	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	7674
PI0256A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	7745
PI0256AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	7674
PI0266	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	7674

** PI0225, PI0229, PI0233, PI0237, PI0241 are available with red, blue, green, yellow, orange, purple & white color cap options for color coding

Sterile Screw Cap tubes with Looped Cap

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0253	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	7705
PI0255	1.5 ml Self-standing	10.2 mm	44 mm	1000	7705
PI0257	1.5 ml Conical	10.2 mm	43.1 mm	1000	7705
PI0259	2.0 ml self-standing	10.2 mm	45.1 mm	1000	7705
PI0261	2.0 ml Conical	10.2 mm	44.3 mm	1000	7705
PI0253A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	8619
PI0253AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	8619
PI0263	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	8619
PI0255A	1.5 ml amber Self-standing	10.2 mm	43.95 mm	1000	8619
PI0255AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	8540
PI0265	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	8619
PI0257A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	8619
PI0257AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	8540
PI0267	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	8619

PI0263, PI0265, PI0267, PI0269 & PI0271 are available with red, blue, green, yellow, orange, purple & white color looped cap options for color coding

Printed Screw Cap Tube with Looped Cap

Non-Sterile Screw cap tubes with Looped Cap

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0340	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	7379
PI0342	1.5 ml Self-standing	10.2 mm	44 mm	1000	7379
PI0344	1.5 ml conical	10.2 mm	43.1 mm	1000	7379
PI0346	2.0 ml self-standing	10.2 mm	45.1 mm	1000	7379
PI0348	2.0 ml conical	10.2 mm	44.3 mm	1000	7379
PI0340A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	8201
PI0340AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	8131
PI0350	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	8131
PI0342A	1.5 ml amber Self-standing	10.2 mm	44 mm	1000	8201
PI0342AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	8131
PI0352	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	8131
PI0344A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	8201
PI0344AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	8131
PI0354	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	8131

PI0350, PI0352, PI0354, PI0356, PI0358 are available with red, blue, green, yellow, orange, purple & white color looped cap options for color coding

Sterile Screw cap tubes with Looped Cap

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0341	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	8163
PI0343	1.5 ml Self-standing	10.2 mm	44 mm	1000	8163
PI0345	1.5 ml conical	10.2 mm	43.1 mm	1000	8163
PI0347	2.0 ml self-standing	10.2 mm	45.1 mm	1000	8163
PI0349	2.0 ml Conical	10.2 mm	44.3 mm	1000	8163
PI0341A	0.5 ml amber Self-standing	10.2 mm	43.85 mm	1000	9078
PI0341AI	0.5 ml transparent amber Self-standing	10.2 mm	43.85 mm	1000	9078
PI0351	0.5 ml coloured Self-standing	10.2 mm	43.85 mm	1000	9078
PI0343A	1.5 ml amber Self-standing	10.2 mm	43.95 mm	1000	9078
PI0343AI	1.5 ml transparent amber Self-standing	10.2 mm	44 mm	1000	8996
PI0353	1.5 ml coloured Self-standing	10.2 mm	44 mm	1000	9078
PI0345A	1.5 ml amber conical	10.2 mm	43.1 mm	1000	9078
PI0345AI	1.5 ml transparent amber conical	10.2 mm	43.1 mm	1000	8996
PI0355	1.5 ml coloured conical	10.2 mm	43.1 mm	1000	9078

PI0351, PI0353, PI0355, PI0357 & PI0359 are available with red, blue, green, yellow, orange, purple & white color looped cap options for color coding

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0258A	2.0 ml amber self-stand	10.2 mm	45.1 mm	1000	7745
PI0258AI	2.0 ml transparent amber self-stand	10.2 mm	45.1 mm	1000	7674
PI0268	2.0 ml coloured self-stand	10.2 mm	45.1 mm	1000	7674
PI0268A	2.0 ml amber conical	10.2 mm	44.3 mm	1000	7745
PI0268AI	2.0 ml transparent amber conical	10.2 mm	44.3 mm	1000	7675
PI0270	2.0 ml coloured conical	10.2 mm	44.3 mm	1000	7674

Last Drop Low Retention Screw cap tubes with Looped Cap

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0272	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	10121
PI0273	1.5 ml Self-standing	10.2 mm	44 mm	1000	10121
PI0274	1.5 ml conical	10.2 mm	43.1 mm	1000	10121
PI0275	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	10121
PI0276	2.0 ml conical	10.2 mm	44.3 mm	1000	10121

Last Drop Low Retention Screw Cap tubes with Looped Cap

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0259A	2.0 ml amber	10.2 mm	45.1 mm	1000	8619
PI0259AI	2.0 ml transparent amber	10.2 mm	45.1 mm	1000	8540
PI0269	2.0 ml coloured	10.2 mm	45.1 mm	1000	8619
PI0261A	2.0 ml amber	10.2 mm	44.3 mm	1000	8619
PI0261AI	2.0 ml transparent amber	10.2 mm	44.3 mm	1000	8540
PI0271	2.0 ml coloured	10.2 mm	44.3 mm	1000	8619

Last Drop Low Retention Screw cap tubes with EPDM O-Ring, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0360	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	10578
PI0361	1.5 ml Self-standing	10.2 mm	44 mm	1000	10578
PI0362	1.5 ml conical	10.2 mm	43.1 mm	1000	10578
PI0363	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	10578
PI0364	2.0 ml conical	10.2 mm	44.3 mm	1000	10578

Last Drop Low Retention Screw cap tubes with EPDM O-Ring,PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0347A	2.0 ml amber self-standing	10.2 mm	45.1 mm	1000	9078
PI0347AI	2.0 ml transparent amber self-standing	10.2 mm	45.1 mm	1000	8996
PI0357	2.0 ml coloured self-standing	10.2 mm	45.1 mm	1000	9078
PI0349A	2.0 ml amber Conical	10.2 mm	44.3 mm	1000	9078
PI0349AI	2.0 ml transparent amber Conical	10.2 mm	44.3 mm	1000	8996
PI0359	2.0 ml coloured Conical	10.2 mm	44.3 mm	1000	9078

Last Drop Low Retention Screw cap tubes with EPDM O-Ring,PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
PI0365	0.5 ml Self-standing	10.2 mm	43.85 mm	1000	11297
PI0366	1.5 ml Self-standing	10.2 mm	44 mm	1000	11297
PI0367	1.5 ml conical	10.2 mm	43.1 mm	1000	11297
PI0368	2.0 ml Self-standing	10.2 mm	45.1 mm	1000	11297
PI0369	2.0 ml conical	10.2 mm	44.3 mm	1000	11297

Centrifuge Tube Techniques

Abdos centrifuge tubes are manufactured from ultra pure USP class VI certified virgin medical grade polypropylene to ensure the highest quality & confirming to US FDA 21 CFR.

Unique printing technology makes the surface chemical resistant & scratch proof.

Perfect grip on screw cap provides secure control on the cap in wet conditions.

Even wall thickness to withstand maximum G-force, 18000*g RCF. Suitable for temperatures between -80°C and +121°C.

Sterile tubes have been validated according to ISO 11137 SAL 10⁻⁶. The large white frosted portion for easy writing. Highly transparent, 5% less haze than competitor.

Hydrodynamic conical bottom for perfect pelleting of sediments.

Free from heavy metals, natural rubber & inhibitory plasticizers.

Gas chromatography/ Mass spectrometry (GC/MS) tests ensure purity of the products.



The Cap

Specially designed flat thread confirms perfect vacuum tight closure, makes it leak proof & prevents override of cap.

Unique plug seal ensures perfect sealing & makes it leak proof.



Scan to watch product video.

CENTRIFUGE TUBES CONICAL BOTTOM, PP/HDPE

- Abdos Centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- The large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Amber colour option for light-sensitive samples.
- Built-in plug in the cap makes it leak proof.
- Sterile Tubes have been validated according to ISO 11137 for SAL 10⁻⁶.
- Can withstand up to 18000 xg RCF*.



Centrifuge Tube Conical Bottom, PP/HDPE

Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)	Price/ 20 case (₹)
PI0430	15 ml (Bulk)	Blue	16.5 mm	121 mm	500	4196	78890
PI0401	15 ml	Blue	16.5 mm	121 mm	500	4615	86758
PI0441	15 ml	Red	16.5 mm	121 mm	500	4615	86758
PI0402	15 ml, Sterile	Blue	16.5 mm	121 mm	500	4994	93887
PI0442	15 ml, Sterile	Red	16.5 mm	121 mm	500	4994	93887
PI0431	50 ml (Bulk)	Blue	29.2 mm	116 mm	500	5688	106932
PI0403	50 ml	Blue	29.2 mm	116 mm	500	5949	111845
PI0443	50 ml	Red	29.2 mm	116 mm	500	5949	111845
PI0404	50 ml, Sterile	Blue	29.2 mm	116 mm	500	7368	138522
PI0444	50 ml, Sterile	Red	29.2 mm	116 mm	500	7368	138522



Centrifuge Tube Conical Bottom, PP AMBER

Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)
PI0405	15 ml, Amber	Blue	16.5 mm	121 mm	500	5708
PI0406	15 ml, Sterile Amber	Blue	16.5 mm	121 mm	500	6188
PI0407	50 ml, Amber	Blue	29.2 mm	116 mm	500	7323
PI0408	50 ml, Sterile Amber	Blue	29.2 mm	116 mm	500	9045
PI0405T	15 ml, Transparent Amber	Blue	16.5 mm	121 mm	500	5708
PI0406T	15 ml, Transparent Amber, Sterile	Blue	16.5 mm	121 mm	500	6188
PI0407T	50 ml, Transparent Amber	Blue	29.2 mm	116 mm	500	7323
PI0408T	50 ml, Transparent Amber, Sterile	Blue	29.2 mm	116 mm	500	9045



*Depending on the quality of Centrifuge and compatibility of Rotor.

*Transparent Amber Centrifuge tubes can be supplied upon request.

CENTRIFUGE TUBES CONICAL BOTTOM, PS/HDPE

- Abdos Centrifuge tubes are manufactured using high purity virgin USP Class VI Polystyrene (PS) conforming to US FDA 21 CFR, free from natural rubber and heavy metal.
- Polystyrene centrifuge tube are hydrophobic & its biologically inert surface is good for cell and protein recovery.
- Perform well with animal cell culture handling.
- The large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Built-in plug in the cap makes it leak proof.
- Sterile Tubes have been validated according to ISO 11137 for SAL 10⁻⁶.
- Can withstand up to 2500 xg RCF*.



Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)
PI0419	15 ml, Sterile	Blue	16.5 mm	121 mm	500	6102
PI0421	15 ml, Racked Sterile	Blue	16.5 mm	121 mm	500 (25 pcs x 20 racks)	7436



*Depending on the quality of Centrifuge and compatibility of Rotor.

06

LAST DROP™, LOW RETENTION CENTRIFUGE TUBE CONICAL BOTTOM, PP/HDPE

NEW

- Abdos Centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- The large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Built-in plug in the cap makes it leak proof.
- Sterile Tubes have been validated according to ISO 11137 for SAL 10^{-6}
- Can withstand up to 18000 xg RCF*.
- Abdos low binding technology provides 10 times lesser retention level with highly viscous samples & saves costly reagents.
- Super homogenous surface free sites prevent non-specific binding.



STERILE R

SAL 10^{-6} 

Centrifuge Tube Conical Bottom, PP/HDPE

Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)
PI0525	15ml, Non-Sterile	Natural	16.5 mm	121 mm	500	6672
PI0526	15ml, Sterile	Natural	16.5 mm	121 mm	500	7228
PI0527	50ml, Non-Sterile	Natural	29.2 mm	116 mm	500	8566
PI0528	50ml, Sterile	Natural	29.2 mm	116 mm	500	10610

07

CENTRIFUGE TUBES SELF STANDING, PP/HDPE

- Abdos Centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Skirted bottom makes it easier to use without any rack.
- The large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Built-in plug in the cap makes it leak proof.
- Sterile Tubes have been validated according to ISO 11137 for SAL 10^{-6} .
- Can withstand up to 7000 xg RCF*.



STERILE R

SAL 10^{-6} 

Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)
PI0432	50 ml (Bulk)	Blue	29.2 mm	117.3 mm	500	6579
PI0423	50 ml	Blue	29.2 mm	117.3 mm	500	6854
PI0449	50 ml	Red	29.2 mm	117.3 mm	500	6854
PI0424	50 ml, Sterile	Blue	29.2 mm	117.3 mm	500	8492
PI0450	50 ml, Sterile	Red	29.2 mm	117.3 mm	500	8492

*Depending on the quality of Centrifuge and compatibility of Rotor.



Organization: IISER pune

“ Nice quality of product. Overall good support quality for product and service, keep ups ”

Ease of Use ★ ★ ★ ★ ★

★ ★ ★ ★ ★ Average Rating 5.0

After Sales Service ★ ★ ★ ★ ★

Application Area: Centrifuge nice quality

Value for Money ★ ★ ★ ★ ★

Nice quality of product. Overall good support & service quality. Keep it up.

Review Date: 4 Jul 2023 | Abdos



PURERIGHT™ INDIVIDUALLY WRAPPED CENTRIFUGE TUBE CONICAL BOTTOM, PP/HDPE

- Abdos Centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Best suited for less number of samples.
- The large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Built-in plug in the cap makes it leak proof.
- Sterile Tubes have been validated according to ISO 11137 for SAL 10⁻⁶.
- Can withstand upto 18,000 xg RCF* & 7000 xg RCF* for Conical & Self-standing centrifuge tubes respectively.



Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)
PI0425	15 ml, Sterile	Blue	16.5 mm	121 mm	600	6710
PI0451	15 ml, Sterile	Red	16.5 mm	121 mm	600	6710
PI0426	50 ml, Sterile	Blue	29.2 mm	116 mm	350	7706
PI0452	50 ml, Sterile	Red	29.2 mm	116 mm	350	7706
PI0427	50 ml Self Standing, Sterile	Blue	29.2 mm	117.3 mm	350	7769
PI0453	50 ml Self Standing, Sterile	Red	29.2 mm	117.3 mm	350	7769

*Depending on the quality of Centrifuge and compatibility of Rotor.

09 RACKED CENTRIFUGE TUBES CONICAL BOTTOM, PAPER

- These racks are made of eco-friendly paper to hold 25 Abdos 15 ml & 50 ml Conical Bottom Centrifuge Tubes.



Code	Capacity	Height	Colour	No./case	Price/case (₹)
PI0409	15 ml, Rack Only	47 mm	-	10	970
PI0410	50 ml, Rack Only	48 mm	-	10	970
PI0411	15 ml, Racked	121 mm	Blue	500 (25 pcs x 20 racks)	6538
PI0412	15 ml, Racked, Sterile	121 mm	Blue	500 (25 pcs x 20 racks)	7325
PI0462	15 ml, Racked, Sterile	121 mm	White	500 (25 pcs x 20 racks)	7325
PI0413	15 ml, Amber, Racked	121 mm	Blue	500 (25 pcs x 20 racks)	7682
PI0414	15 ml, Amber, Racked, Sterile	121 mm	Blue	500 (25 pcs x 20 racks)	8406
PI0465	15 ml, Amber, Racked, Sterile	121 mm	White	500 (25 pcs x 20 racks)	7325
PI0415	50 ml, Racked	116 mm	Blue	500 (25 pcs x 20 racks)	9378
PI0416	50 ml, Racked, Sterile	116 mm	Blue	500 (25 pcs x 20 racks)	10854
PI0417	50 ml, Amber, Racked	116 mm	Blue	500 (25 pcs x 20 racks)	10771
PI0418	50 ml, Amber, Racked, Sterile	116 mm	Blue	500 (25 pcs x 20 racks)	12479
PI0463	50 ml, Amber, Racked	116 mm	White	500 (25 pcs x 20 racks)	10854
PI0455	15 ml, Racked	121 mm	Red	500 (25 pcs x 20 racks)	6538



10 SCREW CAP TUBE RACK, PC 20 PLACES (10 X 2 FORMAT)

NEW

- Abdos screw cap tube rack suitable for placing 20 screw cap tubes.
- Knurl locking for one handed operation.
- Dimensions (L x B x H) : 256 x 61 x 41 mm

Code	Capacity	Length	Breadth	Height	No./case	Price/Case
P20235	0.5/1.5/2.0 ml	256 mm	61 mm	41 mm	1	1890



MAXIRCF™ TRACE METAL FREE CENTRIFUGE TUBES

- Abdos MaxiRCF™ Trace Metal Free centrifuge tubes are manufactured using high purity virgin USP Class VI Medical grade polypropylene conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Abdos MaxiRCF™ Trace Metal Free Centrifuge Tubes withstands 20,000xg RCF.
- Pure, Additive Free Natural Colour Cap for easy labelling and Trace Metal free.
- Abdos MaxiRCF™ Trace Metal Free Centrifuge Tubes works excellently in high density gradient separation of sample.
- Large white frosted area for easy writing.
- Sterile tubes are validated according to ISO 11137 for SAL 10⁻⁶.

Abdos MaxiRCF™ Trace Metal Free centrifuge tubes are specifically manufactured to ensure that common trace metals and elements that can interfere with experiments are below an ICP-MS detection level of one part per billion (< 1ppb).

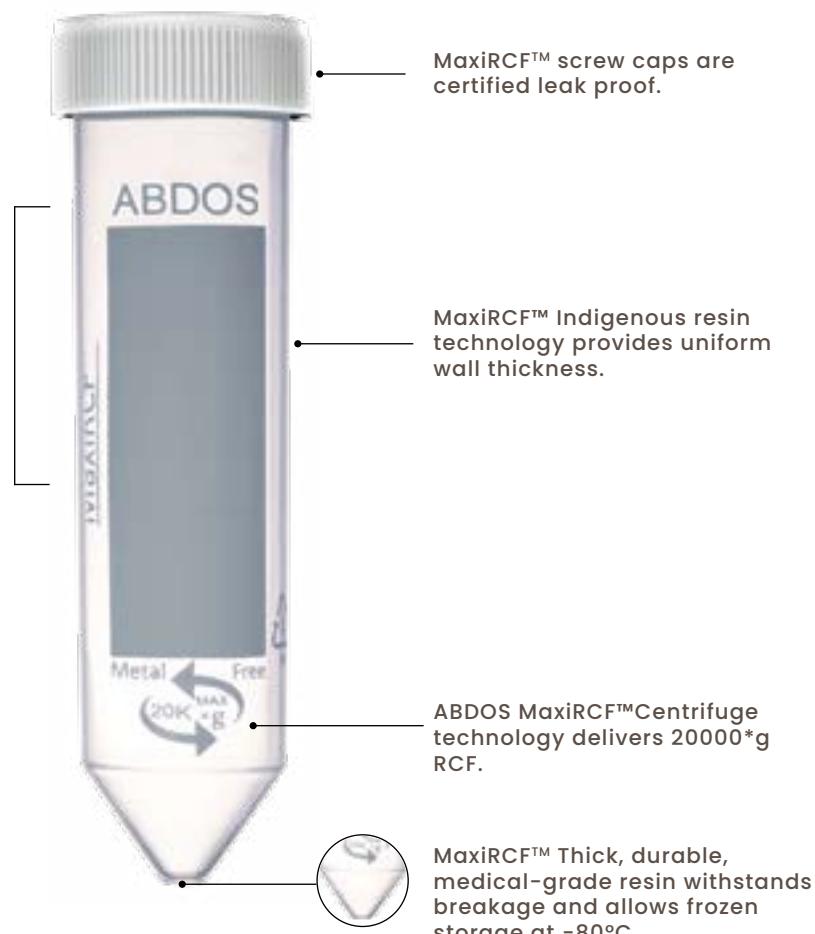
Metals included in testing are: Silver, Zinc, Iron, Copper, Manganese, Aluminum, Silicon, Nickel, Vanadium, Phosphorous, Cobalt, Chromium, Lithium, Selenium, Cadmium, Mercury, Arsenic, Lead and Boron.

*Note : MaxiRCF™ Trace Metal Free centrifuge tubes:

- 50 ml CT (Conical Bottom) with 20000*g RCF
- 50 ml CT (Self Standing) with 7000*g RCF
- 15 ml CT (Conical Bottom) with 20000*g RCF



Scan to watch product video.



FREE



FREE



FREE



LEAK TEST



FREE



FREE



TESTED



CERTIFIED



R

STERILE

R

SAL 10⁻⁶

Code	Capacity	Cap Colour	Outer Diameter	Height	No./case	Price/case (₹)
PI0480	15 ml (Bulk)	Natural	16.5 mm	121 mm	500	5062
PI0481	15 ml	Natural	16.5 mm	121 mm	500	5569
PI0482	15 ml, Sterile	Natural	16.5 mm	121 mm	500	6075
PI0483	50 ml (Bulk)	Natural	29.2 mm	116 mm	500	6834
PI0484	50 ml	Natural	29.2 mm	116 mm	500	7059
PI0485	50 ml, Sterile	Natural	29.2 mm	116 mm	500	8641
PI0486	50 ml, Self Standing (Bulk)	Natural	29.2 mm	117.3 mm	500	8048
PI0487	50 ml, Self Standing	Natural	29.2 mm	117.3 mm	500	8496
PI0488	50 ml, Self Standing (Sterile)	Natural	29.2 mm	117.3 mm	500	10517

LARGE CAPACITY CENTRIFUGE TUBES, PP/HDPE

NEW

- Abdos 250ml and 500ml centrifuge tubes are designed to process large volumes of samples simultaneously. With their high capacity and reliable performance, these tubes are ideal for the separation and harvesting of different type of cells, like bacteria, yeast, and tissue samples as well.
- Tubes are made up of high purity USP Class VI Virgin Polypropylene. And Caps are of USP Class VI HDPE material.
- Can be centrifuged up to an RCF of 6000 x g.
- Available in Gamma Sterilized Bulk packaging.



Code	Capacity	Height	No./case	Price/case (₹)
PI0499	250ml	161 mm	100	17028
PI0500	500ml	146.81 mm	40	15015

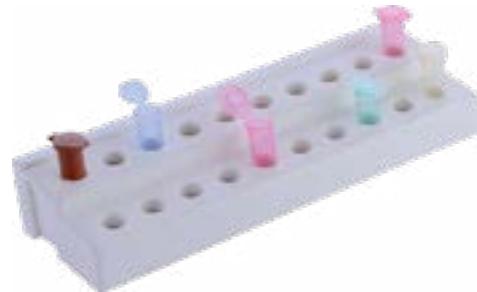


RACK FOR MICRO CENTRIFUGE TUBE, RPP

- Sturdy rack with rubber support at the bottom for stability.
- Racks lock together on each side to allow the user to attach several racks for larger experiments.
- Compatible with both 1.5 ml and 2.0 ml Micro Centrifuge Tube.
- Easy removal and insertion of tubes.
- Each hole has moulded-in numbers for easy sample identification.



Code	Capacity	Places	Colour	L x W x H	No./case	Price/case (₹)
P20205	1.5 & 2.0 ml	20 Places (10x2 Array)	White	215 x 70 x 40 mm	8	1907

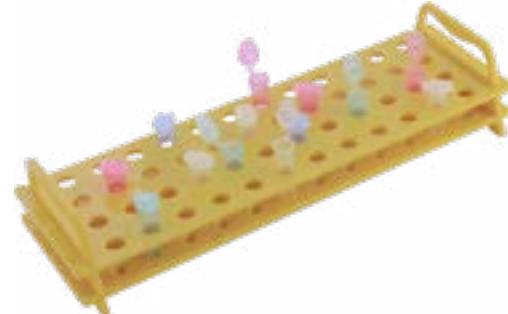


RACK FOR MICRO CENTRIFUGE TUBE, PC

- Easy to hold ergonomic design.
- Each hole has moulded-in numbers and letters for easy sample identification.
- Racks are stackable when empty or full.
- Easy removal and insertion of tubes.
- Compatible with both 1.5 ml and 2.0 ml Micro Centrifuge Tubes.



Code	Capacity	Places	Colour	L x W x H	No./case	Price/case (₹)
P20201	1.5 & 2.0 ml	24 Places (6x4 Array)	White	164 x 100 x 59 mm	8	3239
P20202	1.5 & 2.0 ml	24 Places (6x4 Array)	Yellow	164 x 100 x 59 mm	8	3239
P20203	1.5 & 2.0 ml	48 Places (12x4 Array)	White	293 x 100 x 59 mm	8	5934
P20204	1.5 & 2.0 ml	48 Places (12x4 Array)	Yellow	293 x 100 x 59 mm	8	5934



CENTRIFUGE TUBE BOX, PP

- Abdos Centrifuge tube box provides a more durable and rugged alternative to cardboard or foam racks.
- The distinctive green colour on the 15 ml and blue colour on the 50 ml makes these racks easy to distinguish.
- These racks can withstand a temperature of -80°C to 121°C.
- All grids are properly indexed with a clear lid that provides easy tube identification.



Code	Tube Capacity	Colour	Places	L x W x H	No./case	Price/case (₹)
P20604	15 ml	Green	36 Places (6 x 6 Array)	147 x 147 x 126 mm	4	2535
P20605	50 ml	Blue	16 Places (4 x 4 Array)	147 x 147 x 126 mm	4	2535



16

CLICK TOGETHER CONICAL TUBE RACKS, ABS

- Shipped flat, they are easy to assemble and snap together securely.
- Designed for stable use in a water bath.
- Alphanumeric index aids for tube identification.



Code	Tube Capacity	Colour	Places	L x W x H	No./case	Price/case (₹)
P20218	15 ml & 50 ml	Blue	15 ml Tube - 30 (6 x 5 Array) 50 ml Tube - 20 (5 x 4 Array)	209 x 171 x 63 mm	4	3918
P20219	15 ml & 50 ml	Blue	15 ml Tube - 18 (6 x 3 Array) 50 ml Tube - 10 (5 x 2 Array)	209 x 98 x 63 mm	4	3476



17

UNIVERSAL CENTRIFUGE TUBE RACK, PP

- Ideal for firmly holding a wide range of tubes and vessels.
- Accepts tubes and vessels from 16-30 mm.
- Moulded indexing for easy identification of tubes and vials.
- Quickly change the tube with this adaptable polypropylene rack. Open the well with a turn of the knob or directly insert a tube into the opening.
- Generous handles for easy transport.



Code	Tube Capacity	Colour	Places	L x W x H	No./case	Price/case (₹)
P20212	15 ml & 50 ml	Blue	12 (4 x 3 Array)	194 X 140 X 51 mm	1	7458



18

FOLDABLE SPACE SAVING RACK, PP

- Simple to open and close, expand and collapse when racks are needed.
- Designed to help recognize 15 and 50 ml tubes.
- Moulded indexing for easy identification of tubes and vials.
- Racks can be stacked in open or closed position.
- Save space when racks are not in use.
- Available in individual 17 mm hole diameter for 15 ml tubes & 30 mm hole diameter for 50 ml tubes or combination of both 17 mm & 30 mm hole diameter for 15 ml & 50 ml centrifuge tubes.



Code	Tube Capacity	Colour	Places	L x W x H	No./case	Price/case (₹)
P20213	15 ml	Purple	45 (9 x 5 Array)	255 x 137 x 72 mm	2	4769
P20214	50 ml	Green	18 (6 x 3 Array)	255 x 137 x 72 mm	2	4769
P20215	15 ml & 50 ml	Blue	15 ml Tube - 21 (7 x 3 Array) 50 ml Tube - 12 (6 x 2 Array)	255 x 137 x 72 mm	2	4769
P20216	15 ml & 50 ml	Pink	15 ml Tube - 21 (7 x 3 Array) 50 ml Tube - 12 (6 x 2 Array)	255 x 137 x 72 mm	2	4769



FLOATING RACK FOR MICRO CENTRIFUGE TUBE, PP

- Use on the bench, with water bath or ice containers.
- Polypropylene racks keep micro tubes afloat in water bath or can be pushed into crushed ice – perfect for controlling sample temperature.
- Not recommended for autoclaving.
- Detachable legs provide two options:
 - a. Attach legs so rack stands upright on bench top.
 - b. Detach legs so samples can be quickly popped out by pushing down onto any surface.

A-Z
0-9

Code	Tube Capacity	Colour	Places	L x W x H	Shape	No./case	Price/case (₹)
P20225	1.5 ml & 2 ml	White	16	102 x 102 x 60 mm	Square	4	1747
P20226	1.5 ml & 2 ml	White	20	98 x 60 (Ø x h) mm	Round	4	2378

SWIRL MICRO PLATE CENTRIFUGE

- Less than half the size of conventional centrifuge (9 x 10 inches).
- The easily reachable rotor chamber includes two plate carriers that rest at a 75° angle, thus allowing plates to be inserted confidently without seal in tapes or caps.
- Upon closing the lid of the centrifuge, the rotor accelerates and the centrifugal force swings the plates into a horizontal position. Any droplets on the walls of the plate quickly concentrate into the well bottoms.
- With a G-force of 600 xg, most samples can be spun.
- Just open the lid and the automatic electric brake brings the rotor to a quick & smooth stop in just 4.0 seconds.

CE

Code	Product	No./case	Price/case (₹)
E11550	Swirl Micro Plate Centrifuge (comes with E11551)	1	133774

Spare Accessories:

Code	Product	No./case	Price/case (₹)
E11551	Adapter, 96 x 0.2 ml or 8 and 12 x PCR strips.	2	10649
E11552	Rotor with carriers for deepwell plates upto 35mm tall (max speed 1500 rpm)	1	34782

SPECIFICATIONS :

Voltage	220-230 V
Frequency	50-60 Hz
Max Speed	2550 rpm/600 xg
Rotor Capacity	2 x 2 PCR Plates 2 x Microtiter plates 24 x 0.2 mL PCR Strips
Deceleration	4 seconds
Dimensions	230 x 260 x 197 mm
Weight	4.0 kg
Permissible Ambient Temperature	4 to +40°C
Permissible Relative Humidity	80%

*When stacking skirted PCR plates, max capacity is 4 plates.

Before & after centrifugation
(angled position)During centrifugation
(Horizontal position)

- Swirl Maxi is a personal micro centrifuge used for sedimentation of cells and virus, separation of sub-cellular organelles and isolation of macromolecules such as DNA, RNA, proteins or lipids.
- Swirl Maxi is used in physical and chemical analysis, biochemistry, cellular biology, clinical labs, blood donation centre and high-end research.
- Swirl Maxi has a large ergonomic design with easy to read display and sound.
- Both RPM and G-force can be displayed.
- Swirl Maxi is stable and silent during operation. It also delivers fast acceleration and deceleration.
- Swirl Maxi conforms to international safety standards and regulations. It has also passed the explosion proof test from CE, TUV and FCC.
- Swirl Maxi adapts a Brushless DC Motor.
- Automatic lid-lock release prevents sample warming and allows easy access to samples.
- The short spin function is used for quick spins by pressing and holding PULSE key. The centrifuge speed can be accelerated and held at the target speed.
- High strength aluminium alloy rotors are fully autoclavable, and can withstand steam sterilizing at 121°C for 20 minutes.



Code	Product	No./case	Price/case (₹)
E11510	Swirl Maxi Micro Centrifuge with 12 Place Rotor for 0.2, 0.5, 1.5 & 2.0 ml (E11511)	1	110960

***Adapters for 0.2 & 0.5 ml not included as standard.**

Spare Accessories:

Code	Product	No./case	Price/case (₹)
E11511	12 Place Rotor for 0.2, 0.5, 1.5 & 2.0 ml	1	36310
E11512	Rotor Adapter for 0.2 ml - 2.0 ml used with E11511	24	8189
E11513	Rotor Adapter for 0.5 ml - 2.0 ml used with E11511	24	8189

SPECIFICATIONS :

Voltage	220-240 V
Frequency	50-60 Hz
Current	3 A
Max Speed	15000 rpm (500-15000 rpm) with increment of 100 rpm
Max. RCF [xg]	15100 xg with increment of 100 xg
Speed Accuracy	±20 rpm
Rotor Capacity	0.2mL, 0.5mL, 1.5 mL & 2mL x 12 places.
Run Time	30 sec - 99 min & PULSE (Continuous operation)
Driving Motor	Brushless DC motor
Safety Devices	Dual door interlock Over-speed detection Over temperature detection Automatic internal diagnosis
Noise Level	≤54 dB
Additional Features	Speed/RCF switch Short-time run function Sound-alert function
Acceleration /Braking time	11 sec for Acceleration & 9 sec for Breaking
Dimensions	255 x 245 x 140 mm
Weight	6 kg
Permissible Ambient Temperature	4°C to 40°C
Permissible Relative Humidity	80%



- Swirl is a small, compact and reliable centrifuge for spin-down and microfiltration procedures.
- Swirl is supplied with 8 place angular rotor of 1.5 ml and a PCR rotor that admit four strips of 0.2 mL PCR strip.
- It has a maximum speed of 7000 rpm/2680 xg RCF.
- It uses minimal bench-top space.
- Rotor can change without tools and the machine accelerates and brakes in seconds.
- Swirl adapts a DC Motor.
- CE explosion proof safe test IEC/EN61010-2-20.



Code	Product	No./case	Price/case (₹)
E11501	Swirl Mini Micro Centrifuge Including 8 Place Rotor for 1.5 & 2.0 ml Tube (E11502) & 4 Place Rotor for 8 x 0.2 ml Tube Strip (E11503)	1	17821

Spare Accessories:

Code	Product	No./case	Price/case (₹)
E11502	8 Place Rotor for 1.5 & 2.0 ml	1	4681
E11503	32 (8 x 4) Strips Place Rotor for 0.2 ml PCR & 32 Place Rotor for 0.2 ml PCR tubes	1	3477

SPECIFICATIONS :

Voltage	220-240 V
Frequency	50-60 Hz
Max Speed	7000 rpm
Max RCF	2680 xg
Run Time	Continuous operation
Rotor Capacity	0.2/0.5/1.5/2.0 mL x 8 0.2 mL x 32 PCR Tubes 0.2 mL x 4 PCR 8 Strips
Noise Level	≤45 dB
Dimensions	160 x 170 x 122 mm
Weight	0.5 kg
Permissible ambient temperature	4 to 45°C
Permissible relative humidity	80%



Organization: Tata Institute of Fundamental Research, Hyderabad

“ This equipment is very useful to have on the workbench for quick spin down of samples ”



Ease of Use ★ ★ ★ ★ ★

★★★★★ Average Rating 5.0

After Sales Service ★ ★ ★ ★ ★

Application Area: Quick centrifuge of samples in 1.5ml or 2ml MCTs

Value for Money ★ ★ ★ ★ ★

The mini centrifuge is pretty easy to use and functions smoothly.

Review Date: 7 Jul 2023 | Abdos

- Unique design for the horizontal rotor centrifuge.
- Short-spin and timing of two operations make the tests more convenient.
- Braking time from max. speed: less than 30sec.
- Timer can be set up to 10 minutes.
- Streamline design with more compact shape and transparent PC lid.
- It can accept below formats:
 - PCR standard plates with skirted, non-skirted
 - Elisa Plates
 - 8x0.2ml PCR strip tubes
 - 0.2ml PCR tubes



Code	Product	No./case	Price/case (₹)
E11560	SwirlMini Plate Centrifuge, 2200rpm (with E11561 & E11562)	1	95918

Spare Accessories:

Code	Product	No./case	Price/case (₹)
E11561	Adaptor for PCR plates with skirt and without skirt	2	1575
E11562	Adaptor for 8x0.2ml strip or 0.2ml PCR tubes	2	1575

SPECIFICATIONS :

Voltage	220V/120V
Frequency	50/60Hz
Max. Speed	2200rpm/480xg
Rotor Capacity	2 x 2 PCR Plates 2 x Microtiter Plates 8 x 0.2ml 8 strip PCR Tubes 96 x 0.2ml tubes
Deceleration	Less than 30 seconds
Dimensions (WxDxH)	290 x 360 x 140mm
Weight	3.6 kg





**Quality is never an accident.
It is always the result of
intelligent & focussed efforts**



02

Cryo Techniques

Freezing Tubes

Cryo Vials

Storage Vials

Cryo Boxes & More

FREEZING TUBES, PP

- Abdos Freezing tubes are manufactured using high purity virgin polypropylene (PP) conforming to US FDA 21 CFR free from natural rubber, heavy metal.
- Manufactured to be used at a temperature between -80° C to 121° C.
- Large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Built in plug in the cap makes it leak proof.
- Sterile Tubes have been validated according to EN ISO 11137 for SAL 10⁻⁶



Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Price/20 case (₹)
P60102	1.8 ml Sterile Skirted Foot	11.80 mm	45.7 mm	1000	7252	136338
P60103	4.5 ml Sterile Skirted Foot	11.80 mm	86.5 mm	500	5801	109059



STORAGE VIAL, PP

- Abdos Storage Vial are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Used for storage of PCR reagents, enzymes and other diagnostics & biochemical reagents or samples.
- HDPE screw closure is leak proof.
- Can be used at low temperature.
- Amber Storage Vial can be used for light-sensitive samples.



Storage Vial Natural, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P60119	1.0 ml	12.0 mm	41 mm	1000	3858
P60106	2.0 ml	11.8 mm	47.2 mm	1000	4015
P60107	5.0 ml	11.8 mm	88.0 mm	1000	4780

Storage Vial Amber, PP

Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)
P60119A	1.0 ml Amber	12.0 mm	41 mm	1000	5013
P60119AI	1.0 ml Transparent Amber	12.0 mm	41 mm	1000	5013
P60106A	2.0 ml Amber	11.80 mm	45.7 mm	1000	5217
P60106AI	2.0 ml Transparent Amber	11.80 mm	45.7 mm	1000	5217
P60107A	5.0 ml Amber	11.80 mm	86.5 mm	1000	6266
P60107AI	5.0 ml Transparent Amber	11.80 mm	86.5 mm	1000	6266



- Abdos Cryo Vial external thread are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Abdos Cryo Vial is designed for long-term cryogenic storage of biological samples, all type of cells and any enzymes or reagents.
- It's leak-proof cap design and strong wall thickness makes it an ideal product for transporting samples and specimens.
- These cryo vials are designed for mechanical freezing and it's external screw cap design reduces the risk of contamination due to handling.
- Manufactured to be used at a temperature between -196°C to 121°C.
- The large white frosted portion for easy writing.
- Graduation in silk-screen printing makes identification easy.
- Unique Star Foot design allows for single hand operation and grooves into Abdos P20616 single hand cryo holder rack.
- Best suited for IVD use (an IVDR Certified product).
- Sterile Tubes have been validated according to ISO 11137 for SAL 10⁻⁶.



P60115 P60116 P60117 P60118 P60122 P60123

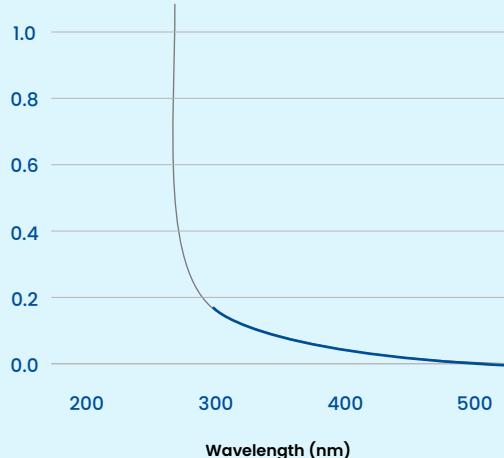


Code	Capacity	Outer Diameter	Height	No./case	Price/case (₹)	Price/20 Case (₹)
P60115	1.0 ml Sterile Star Foot	12.00 mm	41.0 mm	1000	7512	141226
P60116	1.8 ml Sterile Star Foot	12.00 mm	48.5 mm	1000	8289	151302
P60117	1.8 ml Sterile Round Bottom	12.00 mm	47.5 mm	1000	8289	151302
P60118	4.5 ml Sterile Skirted Foot	11.80 mm	86.5 mm	500	5936	111597
P60122	4.5 ml Sterile Star Foot	11.80 mm	86.5 mm	500	5936	111597
P60123	4.5 ml Sterile Round Bottom	11.80 mm	86.5 mm	500	5936	111597

* Please note compatible codes for P60118 Cryo Vial 4.5 ml Skirted Foot is P60104.



LEECHING PERFORMANCE REPORT WITH DMSO



The graph demonstrates no absorbants & confirms no traceable leaching with DMSO (Dimethyl sulfoxide).

* Caution: Do not use Abdos Cryogenic vial in the liquid phase of liquid nitrogen. Improper use may cause liquified nitrogen to be trapped inside the vial and lead to pressure build up resulting in possible explosion or biohazard release. Can be used in vapour phase of liquid nitrogen.

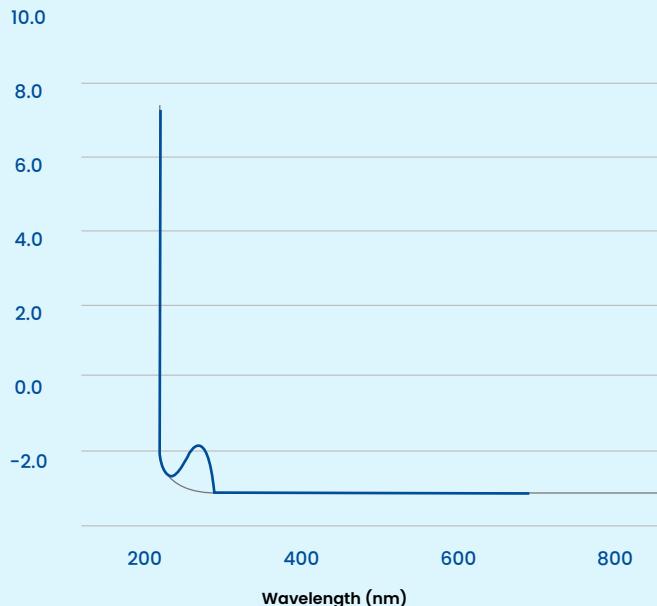
Abdos Cryo Vial being taken out of Liquid Nitrogen Canister.

- Abdos Cryo Vial internal thread are manufactured using high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Abdos Cryo Vial is designed for long-term cryogenic storage of biological samples, all type of cells and any enzymes or reagents.
- It's leak-proof cap design with Silicon Seal and strong wall thickness makes it an ideal product for transporting samples and specimens.
- These cryo vials are designed for vapour phase LN₂ freezing and also incorporate a silicone seal to enhance cap sealing.
- Manufactured to be used at a temperature between -196°C to 121°C.
- The large white frosted portion for easy writing.
- Graduation in silk-screen printing makes identification easy.
- Unique Star Foot design allows for single hand operation and grooves into Abdos P20616 single hand cryo holder rack.
- The silicon ring used in Abdos Cryo Vial for Sealing effects is made up of the material & ingredient under the code of federal regulation 21, as per 21 CFR 177.2600 (G) & meets USP – Class VI Regularities under plastic vial & Cap.
- Best suited for IVD use (an IVDR Certified product).
- Sterile Tubes have been validated according to ISO 11137 for SAL 10⁻⁶.



Code	Capacity	Outer Diameter	Height	No./case	Price/Case (₹)	Price/20 Case (₹)
P60108	1.0 ml Sterile Star Foot	12.3 mm	41.2 mm	1000	11845	222686
P60109	1.8 ml Sterile Star Foot	12.3 mm	47.5 mm	1000	12378	232706
P60110	1.8 ml Round Bottom	12.3 mm	46.2 mm	1000	12378	232706
P60112	4.5 ml Sterile Star Foot	12.3 mm	90.3 mm	500	8396	157845
P60113	4.5 ml Sterile Round Bottom	12.3 mm	89.0 mm	500	8396	157845

LEECHING PERFORMANCE REPORT WITH DMSO



The graph demonstrates no absorbants & confirms no traceable leeching with DMSO (Dimethyl sulfoxide).

* Caution: Do not use Abdos Cryogenic vial in the liquid phase of liquid nitrogen. Improper use may cause liquified nitrogen to be trapped inside the vial and lead to pressure build up resulting in possible explosion or biohazard release. Can be used in vapour phase of liquid nitrogen.



P60108 P60109 P60110 P60112 P60113

28 CRYO CODERS FOR EXTERNAL & INTERNAL THREADED VIALS, HDPE

- These coders fit onto the top of 'Abdos' skirted foot externally threaded cryogenic vial closures.
- These provide quick visual identification of specific vials to simplify inventory maintenance.
- Available in a wide range of colours.
- Also compatible with Abdos Freezing Tube.



Code	Colour of Cap	No./case	Price/Case (₹)
P60114W	White	100	202
P60114B	Blue	100	202
P60114R	Red	100	202
P60114Y	Yellow	100	202
P60114G	Green	100	202

29 SINGLE HAND CRYO HOLDER RACK, PC

- Designed for use with Cryogenic Vial, Freezer Tubes, Storage Vial and Micro Tubes.
- It has unique innovative locking system allowing the user to unlock star foot Cryo Vial with one hand.
- The rack has a secure locking system in each well that will not allow the Cryo Vial to turn on either side.
- Inbuilt numbered and letters grid for sample identification.
- Anti-skid rubber feet support the rack.



Code	Tube Capacity	Places	Colors	L x W x H	No./case	Price/case (₹)
P20616	1 - 2 ml	40 (10 x 4 Array)	White, Yellow, Blue	201 x 105 x 22 mm	4	2523



30 CRYO BOX, PC

- Made of strong polycarbonate and designed to be used at a temperature between -196°C to 121°C.
- Can be used in gas phase of liquid nitrogen with appropriate safety procedure in place.
- Transparent lids permit viewing of contents.
- These boxes create small, space-efficient storage system within a large mechanical freezer.
- Lids have numbered grid for sample identification. The surface of the lid has a frosted area suitable for writing with markers, facilitating inventory control.
- The dimensions of the cryo box are compatible with vertical, horizontal and drawer style freezers.
- Specially Designed venting in base & lid ensures a smooth flow for vapours for consistency in cooling.



Code	Tube Capacity	Places	Colors	L x W x H	No./case	Price/case (₹)
P20601	1 - 2 ml	25 (5 x 5 Array)	White, Yellow, Blue	75 x 75 x 54 mm	8	1579
P20601 Assorted	1 - 2 ml	25 (5 x 5 Array)	White, Yellow, Blue	75 x 75 x 54 mm	8	1979
P20602	1 - 2 ml	81 (9 x 9 Array)	White, Yellow, Blue	133 x 132 x 54 mm	4	2483
P20602 Assorted	1 - 2 ml	81 (9 x 9 Array)	White, Yellow, Blue	133 x 132 x 54 mm	4	2483
P20603	5 ml	81 (9 x 9 Array)	White, Yellow, Blue	133 x 132 x 97 mm	4	3492
P20603 Assorted	5 ml	81 (9 x 9 Array)	White, Yellow, Blue	133 x 132 x 97 mm	4	3492

* Add colour code of your choice- White (W), Yellow (Y), Blue (B).

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CRYO BOX, SYSTEM 100 PLACES, PC

- Made of strong polycarbonate and designed to be used at a temperature between -196°C to 121°C.
- Can be used in gas phase of liquid nitrogen with appropriate safety procedure in place.
- These boxes have 10x10 array (100 places) that can optimize the storage volume of the end user.
- These boxes create small, space-efficient storage system within a large mechanical freezer.
- Transparent lids permit viewing of contents.
- Lids have numbered grid for sample identification. The surface of the lid has a frosted area suitable for writing with markers, facilitating inventory control.
- The dimensions of the P20615 Cryo Box are compatible with vertical, horizontal and drawer style freezer racks.



Code	Tube Capacity	Places	Colors	L x W x H	No./case	Price/case (₹)
P20615	1 - 2 ml (Freezer Compatible)	100 (10 x 10 Array)	White, Yellow, Blue	133 x 133 x 54 mm	4	2910
P20611	1 - 2 ml	100 (10 x 10 Array)	White, Yellow, Blue	140 x 140 x 54 mm	4	2910

* Add colour code of your choice- White (W), Yellow (Y), Blue (B).

32

CRYO CUBE BOX / STORAGE CUBE BOX, PP

- Manufactured in state of the art moulding facility using high purity polypropylene.
- These boxes are stackable, versatile and designed for sample storage up to -80°C.
- These boxes help you to meet storage requirements of 1.5 - 2.0 ml microtubes & 1.0-2.0 ml cryogenic vials.
- The dimension of P20614 Cryo Cube Box is compatible with vertical, horizontal & drawer style freezer racks.
- These boxes have hinged lid connected to the base and the ultra smooth locking system ensures secure closure preventing accidental opening of these boxes in deep freezers.
- Inbuilt numbered and letters grid for sample identification.



Code	Tube Capacity	Places	Colors	L x W x H	No./case	Price/case (₹)
P20612	1.5 - 2 ml Micro Tube & 1- 2 ml Cryo Tube	50 (10 x 5 Array)	Green, Yellow, Blue	142 x 85 x 59 mm	8	2044
P20614	1.5 - 2 ml Micro Tube & 1- 2 ml Cryo Tube	81 (9 x 9 Array)	Green, Yellow, Blue	130 x 130 x 55 mm	4	1772
P20607	1.5 - 2 ml Micro Tube & 1- 2 ml Cryo Tube	100 (10 x 10 Array)	Green, Yellow, Blue	140 x 140 x 55 mm	4	1927

33

FREEZING CARDBOARD CRYO BOXES, CARDBOARD

- Designed for storage and preservation of frozen samples.
- Can withstand ultra-low temperature in deep freezer.
- The removable top lid makes it easy to open and close.
- These boxes can be used for upright freezers, drawers & chest freezers with dividers.
- Lamination on these boxes does not allow moisture to soak or liquid to stick on these boxes.



Code	Tube Capacity	Places	L x W x H	No./case	Price/case (₹)
P20606	1.5 - 2 ml Micro Tube & 1- 2 ml Cryo Tube	81 (9 x 9 Array)	132 x 132 x 50 mm	8	2427
P20613	1.5 - 2 ml Micro Tube & 1- 2 ml Cryo Tube	100 (10 x 10 Array)	132 x 132 x 50 mm	8	2427



Quality is the result of
high intention, sincere effort
& skillful execution

03

Liquid Handling

Single & Multichannel Pipettes

Tips: Micro & Large Tips,
Filter Tips, Low Retention Tips

Sample Containers

Pasteur & Serological Pipettes

Ria Vials & More



Elegant

“NEW ADDITION”

Fully Autoclavable Micropipettes

Abdos introduces fully autoclavable, ergonomically designed Elegant micropipettes which offers high level of accuracy and precision. All Elegant Pipettes have Chemical & UV Resistant Body.

One of The
World's
Lightest
Pipette



Lightweight, Ergonomic, Low force design



Organization: CSIR-Indian Institute of Integrative Medicine, Jammu-180001

“Great Results, Easy to Use and smooth with accuracy”

★★★★★ Average Rating 5.0

Application Area: Solent take up accurate volume pipetting

The newly available elegant fully autoclavable micropipette is pretty easy to use and with accuracy and serviceable it gives us the freedom to work with in R&D lab.

Review Date: 15 Dec 2022 | Abdos



Ease of Use ★ ★ ★ ★ ★

After Sales Service ★ ★ ★ ★ ★

Value for Money ★ ★ ★ ★ ★



Volume Lock



4 Digit Counter



Filter Element

Code	colour	Volume Range	Increment	Test Volume	Maximum Permissible Systematic Error		Maximum Permissible Random Error		No./case	Price/case (₹)
					Inaccuracy		Imprecision			
E11150	White	0.1-2.5 µl	0.002 µl	2.5 µl	1.40%	0.04 µl	0.70%	0.02 µl	1	13000
				0.25 µl	2.50%	0.03 µl	1.50%	0.02 µl		
E11151	Light Grey	0.5-10 µl	0.01 µl	10 µl	1.00%	0.1 µl	0.40%	0.04 µl	1	13000
				1 µl	2.50%	0.03 µl	1.80%	0.04 µl		
E11152	Yellow	2-20 µl	0.02 µl	20 µl	1.00%	0.2 µl	0.30%	0.06 µl	1	13000
				2 µl	5.00%	0.1 µl	1.50%	0.03 µl		
E11153	Yellow	10-100 µl	0.1 µl	100 µl	0.80%	0.8 µl	0.20%	0.2 µl	1	13000
				10 µl	3.00%	0.3 µl	1.00%	0.1 µl		
E11154	Orange	20-200 µl	0.2 µl	200 µl	0.60%	1.2 µl	0.20%	0.4 µl	1	13000
				20 µl	2.50%	0.5 µl	0.70%	0.14 µl		
E11155	Red	30-300 µl	0.2 µl	300 µl	0.60%	1.8 µl	0.20%	0.6 µl	1	13000
				30 µl	2.50%	0.75 µl	0.70%	0.21 µl		
E11156	Dark Blue	100-1000 µl	1 µl	1000 µl	0.60%	6 µl	0.20%	2 µl	1	13000
				100 µl	3.00%	3 µl	0.60%	0.6 µl		
E11157	Purple	500-5000 µl	5 µl	5000 µl	0.60%	30 µl	0.20%	10 µl	1	13000
				500 µl	2.40%	12 µl	0.60%	3 µl		
E11158	Peacock Blue	1000-10000 µl	10 µl	10000 µl	0.60%	60 µl	0.20%	20 µl	1	13000
				1000 µl	3.00%	30 µl	0.60%	6 µl		

The pack contains, Elegant pipette, Sample pack of Tips, Filter Element (except 2.5 & 10ul), Recalibration/Allen Key, Silicone Grease, Shelf Mounting Pipette Holder, User Manual, Quick Start Guide and QC Certificate.

Avoid Repetitive Strain Injury with Elegant



Light Weight
for Less Fatigue



Less Pressure
on Piston



Ergonomically
Designed

Abdos Premium Plus Pipettes

ABDOS pipette meets the highest needs in precision and accuracy – combined with ultimate ergonomics and increased flexibility with sophisticated blend of features and functionality.

It is easy to calibrate and maintain with tools supplied.

It is supplied with operator manual that provides complete information on recalibration and maintenance of the pipette.



Comfortable Finger Support: helps in prolonged pipetting operation with less fatigue.

Easy Calibration: Calibrated accordance with ISO8655. Each pipette is supplied with Individual Calibration Certificate.

Display: Clear and easy read display with large numbers and precise increment.

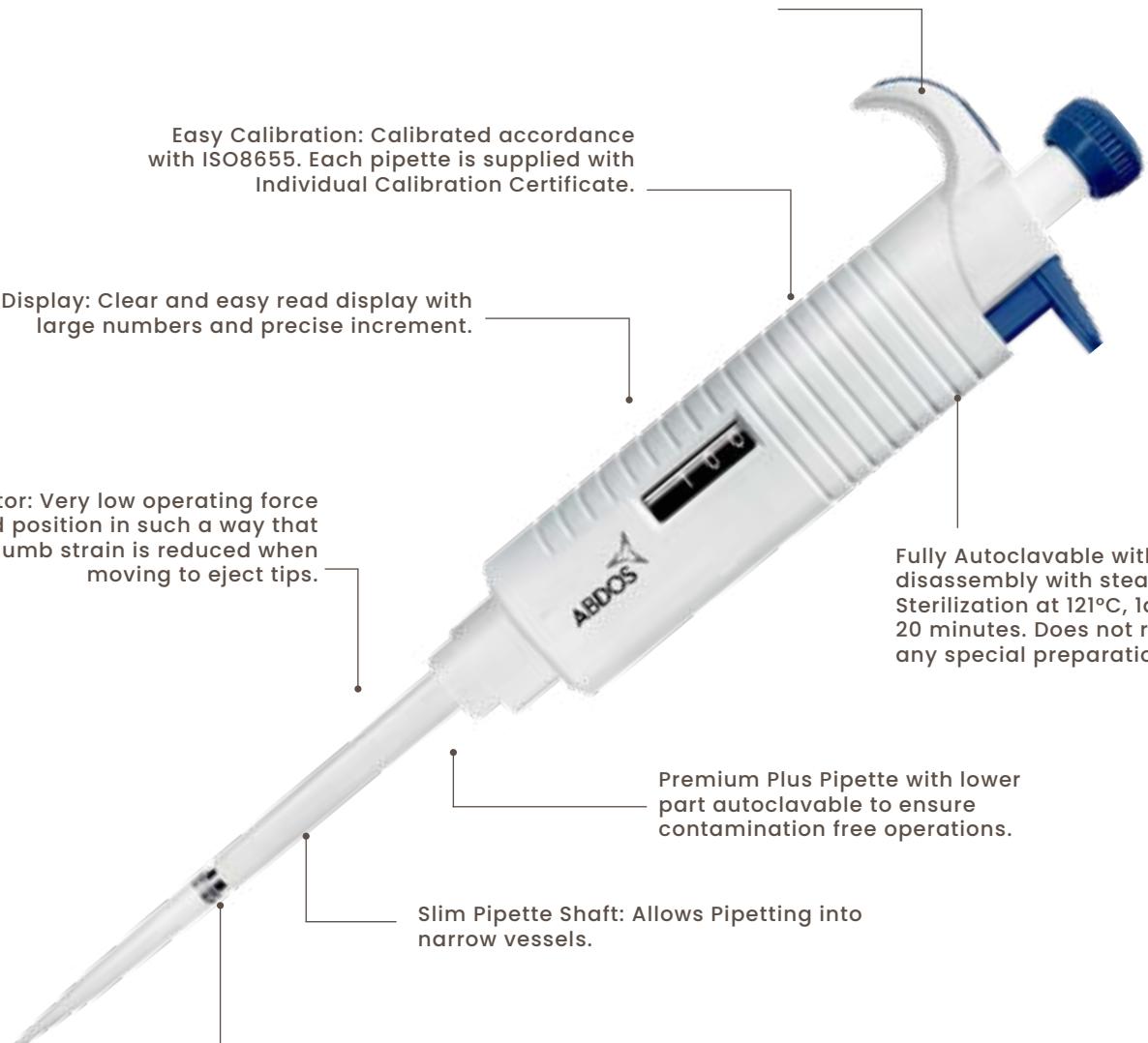
Ejector: Very low operating force and position in such a way that thumb strain is reduced when moving to eject tips.

Fully Autoclavable without disassembly with steam Sterilization at 121°C, 1atm for 20 minutes. Does not require any special preparations.

Premium Plus Pipette with lower part autoclavable to ensure contamination free operations.

Slim Pipette Shaft: Allows Pipetting into narrow vessels.

Tip Cone: Optimized Standard Design. Pipette tips from ABDOS and other manufacturers can be used.





Code	Capacity	Increment	Test Volume	Maximum Permissible Systematic Error		Maximum Permissible Random Error		No./case	Price/case (₹)
				Inaccuracy	Inaccuracy	Imprecision	Imprecision		
E11145	0.1 – 2.5 µl	0.05 µl	2.5 µl	± 2.50 %	± 0.062 µl	± 2.00 %	± 0.05 µl	1	6530
			1.25 µl	± 3.00 %	± 0.037 µl	± 3.00 %	± 0.0375 µl		
			0.25 µl	± 12.00 %	± 0.03 µl	± 6.00 %	± 0.015 µl		
E11107	0.5 – 10 µl	0.1 µl	10 µl	± 1.00 %	± 0.1 µl	± 0.80 %	± 0.08 µl	1	6530
			5 µl	± 1.50 %	± 0.075 µl	± 1.50 %	± 0.075 µl		
			1 µl	± 2.50 %	± 0.025 µl	± 1.50 %	± 0.015 µl		
E11108	2 – 20 µl	0.5 µl	20 µl	± 0.90 %	± 0.18 µl	± 0.40 %	± 0.08 µl	1	6530
			10 µl	± 1.20 %	± 0.12 µl	± 1.00 %	± 0.10 µl		
			2 µl	± 3.00 %	± 0.06 µl	± 2.00 %	± 0.04 µl		
E11146	5 – 50 µl	0.5 µl	50 µl	± 0.60 %	± 0.3 µl	± 0.30 %	± 0.15 µl	1	6530
			25 µl	± 0.90 %	± 0.225 µl	± 0.60 %	± 0.15 µl		
			5 µl	± 2.00 %	± 0.1 µl	± 2.00 %	± 0.1 µl		
E11109	10 – 100 µl	1.0 µl	100 µl	± 0.80 %	± 0.80 µl	± 0.15 %	± 0.15 µl	1	6530
			50 µl	± 1.00 %	± 0.50 µl	± 0.40 %	± 0.20 µl		
			10 µl	± 3.00 %	± 0.30 µl	± 1.50 %	± 0.15 µl		
E11110	20 – 200 µl	1.0 µl	200 µl	± 0.60 %	± 1.20 µl	± 0.15 %	± 0.30 µl	1	6530
			100 µl	± 0.80 %	± 0.80 µl	± 0.30 %	± 0.30 µl		
			20 µl	± 3.00 %	± 0.60 µl	± 1.00 %	± 0.20 µl		
E11147	50 – 200 µl	1.0 µl	200 µl	± 0.60 %	± 1.20 µl	± 0.15 %	± 0.30 µl	1	6530
			100 µl	± 0.80 %	± 0.80 µl	± 0.30 %	± 0.30 µl		
			50 µl	± 1.00 %	± 0.50 µl	± 0.40 %	± 0.2 µl		
E11111	100 – 1000 µl	5.0 µl	1000 µl	± 0.60 %	± 6 µl	± 0.20 %	± 2 µl	1	6530
			500 µl	± 0.70 %	± 3.50 µl	± 0.25 %	± 1.25 µl		
			100 µl	± 2.00 %	± 2 µl	± 0.7 %	± 0.70 µl		
E11134	500 – 5000 µl	50 µl	5000 µl	± 0.50 %	± 25 µl	± 0.15 %	± 7.5 µl	1	6530
			2500 µl	± 0.60 %	± 15 µl	± 0.30 %	± 7.5 µl		
			500 µl	± 0.70 %	± 3.5 µl	± 0.30 %	± 1.5 µl		
E11135	1000 – 10000 µl	100 µl	1000 µl	± 0.60 %	± 60 µl	± 0.20 %	± 20 µl	1	6530
			5000 µl	± 1.20 %	± 60 µl	± 0.30 %	± 15 µl		
			10000 µl	± 3.00 %	± 30 µl	± 0.60 %	± 6 µl		



“ Great build quality. ”

Organization: CSIR- Institute of microbial technology Chandigarh

★ ★ ★ ★ ★ Average Rating 4.7

Application Area: Biocatalysis and drug synthesis

I have recently purchased a pipette of 1000 microliters. It is made strong and can withstand a lot of abuse for years. The price of the various instrument are also very competitive. I strongly recommend the products to anyone.

Review Date: 30 Sept 2022 | Abdos



Ease of Use ★ ★ ★ ★ ★

After Sales Service ★ ★ ★ ★ ★

Value for Money ★ ★ ★ ★ ★

Code	Description	Product	No./case	Price/case (₹)
E11148	Premium Plus Starter Pack 01	Premium Plus Starter Pack 01, Includes: E11107 (0.5-10µl Pipette), E11109 (10-100µl Pipette), E11111 (200-1000µl Pipette), P10139 (0.1-10µl Gen2 Tip Box), P10140 (1-200µl Gen2 Tip Box), P10109 (100-1000µl Gen2 Tip Box), P70201 (5 Place Linear Pipette Stand), Pipette Bench-top Hangers, Abdos Biodegradable Pen & Pencil Set	1	17630
E11149	Premium Plus Starter Pack 02	Premium Plus Starter Pack 02, Includes: E11108 (2-20µl Pipette), E11110 (20-200µl Pipette), E11111 (200-1000µl Pipette), P10139 (0.1-10µl Gen2 Tip Box), P10140 (1-200µl Gen2 Tip Box), P10109 (100-1000µl Gen2 Tip Box), P70201 (5 Place Linear Pipette Stand), Pipette Bench-top Hangers, Abdos Biodegradable Pen & Pencil Set	1	17630
E11159	Elegant Starter Pack 01	Elegant Starter Pack 01, Includes: E11151 (0.5-10µl Pipette), E11153 (10-100µl Pipette), E11156 (100-1000µl Pipette), P10139 (0.1-10µl Gen2 Tip Box), P10140 (1-200µl Gen2 Tip Box), P10109 (100-1000µl Gen2 Tip Box), P70201 (5 Place Linear Pipette Stand), Pipette Benchtop Hangers, Abdos Biodegradable Pen & Pencil Set	1	35100
E11160	Elegant Starter Pack 02	Elegant Starter Pack 02, Includes: E11152 (2-20µl Pipette), E11154 (20-200µl Pipette), E11156 (100-1000µl Pipette), P10139 (0.1-10µl Gen2 Tip Box), P10140 (1-200µl Gen2 Tip Box), P10109 (100-1000µl Gen2 Tip Box), P70201 (5 Place Linear Pipette Stand), Pipette Benchtop Hangers, Abdos Biodegradable Pen & Pencil Set	1	35100



Code	Capacity	Test Volume	Maximum Permissible Systematic Error		Maximum Permissible Random Error		No./case	Price/case (₹)
			Inaccuracy	Inaccuracy	Imprecision	Imprecision		
E10001	5 µl	5 µl	± 1.3 %	± 0.065 µl	± 1.2 %	± 0.06 µl	1	3529
E10002	10 µl	10 µl	± 0.8 %	± 0.08 µl	± 0.8 %	± 0.08 µl	1	3529
E10003	20 µl	20 µl	± 0.6 %	± 0.12 µl	± 0.5 %	± 0.1 µl	1	3529
E10004	25 µl	25 µl	± 0.5 %	± 0.125 µl	± 0.3 %	± 0.075 µl	1	3529
E10005	50 µl	50 µl	± 0.5 %	± 0.25 µl	± 0.3 %	± 0.15 µl	1	3529
E10006	100 µl	100 µl	± 0.5 %	± 0.50 µl	± 0.3 %	± 0.30 µl	1	3529
E10007	200 µl	200 µl	± 0.4 %	± 0.80 µl	± 0.2 %	± 0.40 µl	1	3529
E10008	250 µl	250 µl	± 0.4 %	± 1 µl	± 0.2 %	± 0.50 µl	1	3529
E10009	500 µl	500 µl	± 0.3 %	± 1.5 µl	± 0.2 %	± 1.0 µl	1	3529
E10010	1000 µl	1000 µl	± 0.3 %	± 3 µl	± 0.2 %	± 2.0 µl	1	3529

Premium Plus Multi Channel Pipettes

ABDOS Premium Plus Multi-Channel Pipette meets the highest needs in precision and accuracy – combined with ultimate ergonomics and increased flexibility with sophisticated blend of features and functionality.

These fully autoclavable 8-channel and 12-multichannel pipettes are available for Standard 96-well plates.

Individual piston and Tip cone assemblies allow easy repair and maintenance.

It is easy to calibrate and maintain with tools supplied. Calibrated in accordance with ISO8655. The quality control includes the gravimetric testing with distilled water at 22°C.

It is supplied with operator manual that provides complete information on recalibration and maintenance of the pipette.



Volume Adjustment:
Simply turn the plunger button for volume selection.

Comfortable Finger Support:
Helps in prolonged pipetting operation with less fatigue.

Fully Autoclavable without disassembly with steam Sterilization at 121°C, 1atm for 20 minutes. Does not require any special preparations.

Clear and easy read display with large numbers and precise increment.

Tip Ejector: Allows convenient one handed operation. Very low operating force.

Ejector Coller And Tip Cone can be removed.

Rotating Dispensing Heads provides effortless pipetting.

Chemical Resistance Tip Cone:
Optimized Standard Design. Pipette tips from ABDOS and other manufacturers can be used.



PREMIUM PLUS 8-CHANNEL ADJUSTABLE MULTICHANNEL PIPETTE

- Abdos Premium Plus Multi-channel Pipettes have a unique ergonomic design for comfortable finger support and convenient tip ejector design allows one-handed operation.
- The dispensing head of these pipettes rotate for optimum pipetting.
- The special compound material tip cone design allows visual seal verification and has excellent chemical resistance.
- Individual piston and tip cone assemblies allow easy repair and maintenance.
- Volume settings can be clearly read through digital display.
- Abdos Premium Plus Multi-channel Pipettes are easy to calibrate and maintain with the tools supplied.
- These pipettes are designed to avoid repetitive strain injuries.
- All Abdos pipettes are supplied with operator manual that provides complete information on recalibration and maintenance of the pipettes.



Code	Capacity	Increment	Test Volume	Maximum Permissible Systematic Error		Maximum Permissible Random Error		No./case	Price/case (₹)
				Inaccuracy	Inaccuracy	Imprecision	Imprecision		
E11136	0.5 – 10 µl	0.1 µl	10 µl	± 1.50 %	± 0.15 µl	± 1.50 %	± 0.15 µl	1	26172
			5 µl	± 2.50 %	± 0.125 µl	± 2.50 %	± 0.125 µl		
			1 µl	± 4.00 %	± 0.04 µl	± 4.00 %	± 0.04 µl		
E11137	5 – 50 µl	0.5 µl	50 µl	± 1.00 %	± 0.50 µl	± 0.50 %	± 0.25 µl	1	26172
			25 µl	± 1.50 %	± 0.375 µl	± 1.00 %	± 0.25 µl		
			5 µl	± 3.00 %	± 0.15 µl	± 2.00 %	± 0.10 µl		
E11138	50 – 300 µl	5 µl	300 µl	± 0.70 %	± 2.10 µl	± 0.25 %	± 0.75 µl	1	26172
			150 µl	± 1.00 %	± 1.50 µl	± 0.50 %	± 0.75 µl		
			50 µl	± 1.50 %	± 0.75 µl	± 0.80 %	± 0.40 µl		

PREMIUM PLUS 12-CHANNEL ADJUSTABLE MULTICHANNEL PIPETTE



Code	Capacity	Increment	Test Volume	Maximum Permissible Systematic Error		Maximum Permissible Random Error		No./case	Price/case (₹)
				Inaccuracy	Inaccuracy	Imprecision	Imprecision		
E11139	0.5 – 10 µl	0.1 µl	10 µl	± 1.50 %	± 0.15 µl	± 1.50 %	± 0.15 µl	1	27958
			5 µl	± 2.50 %	± 0.125 µl	± 2.50 %	± 0.125 µl		
			1 µl	± 4.00 %	± 0.04 µl	± 4.00 %	± 0.04 µl		
E11140	5 – 50 µl	0.5 µl	50 µl	± 1.00 %	± 0.50 µl	± 0.50 %	± 0.25 µl	1	27958
			25 µl	± 1.50 %	± 0.375 µl	± 1.00 %	± 0.25 µl		
			5 µl	± 3.00 %	± 0.15 µl	± 2.00 %	± 0.10 µl		
E11141	50 – 300 µl	5 µl	300 µl	± 0.70 %	± 2.10 µl	± 0.25 %	± 0.75 µl	1	27958
			150 µl	± 1.00 %	± 1.50 µl	± 0.50 %	± 0.75 µl		
			50 µl	± 1.50 %	± 0.75 µl	± 0.80 %	± 0.40 µl		

PIPETTE RACK STAND, ACRYLIC

- Holds five Abdos standard size pipettes.
- Racks are mounted on their own stand.
- Keeps working area or desk free from clutter.



Code	No. of Places	L x W x H	No./case	Price/case (₹)
P70201	5	190 x 135 x 265 mm	1	3476



PIPETTE RACK STAND (CAROUSEL TYPE), PP

- Holds six premium plus pipettes.
- The Carousel Stand rotates smoothly and comfortably.
- Keeps working area or desk free from clutter.



Code	No. of Places	No./case	Price/case (₹)
P70203	6	1	8106



PREMIUM ELECTRONIC PIPETTE

- Abdos Premium electronic pipette is fast, precise with an ergonomic design that is easy to use in laboratories.
- High accuracy, high performance stepper motor ensures accuracy and repeatability, eliminating manual pipetting errors. A motor driven digital control pipette with multi-function Pipetting, Mixing, Stepper and Dilution.
- 2 buttons handle all operational settings.
- Light weight, ergonomic design, small body dimension for easy handling that guarantees fatigue free pipetting.
- Adjustable speeds for aspiration and dispensing.
- Comprehensive range with easy programming.
- Motor driven with build-in-error control improving pipetting precision and providing reliable results.
- Highly efficient lithium-ion battery offering long running time with each charge makes the Premium Electronic Pipette a work-horse during busy times in the laboratories.
- Lower part is autoclavable.
- Reduces workload and improves the accuracy and precision.
- A bright LED display makes setting and reading easy, thus reducing or eliminating errors.
- User can Self-calibrate by limiting the pipette to a PC via USB connector.



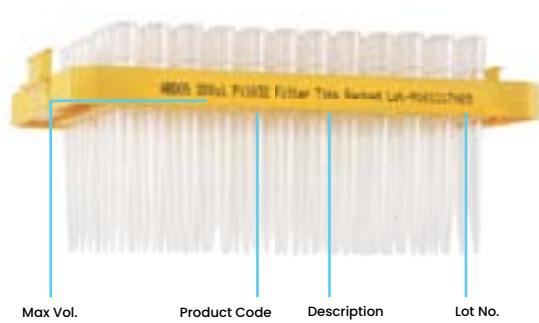
Code	Capacity	Increment	Test Volume	Inaccuracy	Inaccuracy	Imprecision	Imprecision	No./case	Price/case (₹)
EII161	0.5 – 10 µl	0.01 µl	10 µl 1 µl	± 1.0 % ± 3.5 %	± 0.10 µl ± 0.035 µl	0.05 *s.d µl 0.03 *s.d µl	0.5 CV% 3.0 CV%	1	44613
EII162	5 – 50 µl	0.1 µl	50 µl 5 µl	± 0.8 % ± 3.0 %	± 0.40 µl ± 0.15 µl	0.15 *s.d µl 0.125 *s.d µl	0.3 CV % 2.5 CV %	1	44613
EII163	30 – 300 µl	1 µl	300 µl 30 µl	± 0.6 % ± 3.0 %	± 1.8 µl ± 0.9 µl	0.6 *s.d µl 0.21 *s.d µl	0.2 CV % 0.7 CV %	1	44613
EII164	100 – 1000 µl	5 µl	1000 µl 100 µl	± 0.6 % ± 3.0 %	± 6.0 µl ± 3.0 µl	2.0 *s.d µl 0.6 *s.d µl	0.2 CV % 0.6 CV %	1	44613



PIPETTE TIPS, PP

WAFER VALUE ADDITIONS

Each wafer of the rack is printed with effective Volume Range and Lot Number with Product Code, making it easy to keep your work organized and ensure supplies are traceable.



Pipette Tips

All Tips are manufactured from ultra pure USP Class VI certified virgin polypropylene to ensure the highest quality & confirming to US FDA 21 CFR. Free from heavy metals, natural rubber & inhibitory plasticizers.

Free from Bacteriostatic & Fungistatic property.

Superior leeching performance in its class assures contamination free results.

DNase, RNase & Pyrogen free.

Precise Graduation mark for error free pipetting.

Tips with High clarity for better visibility of samples.

Diamond polished moulds for an extremely hydrophobic & smooth surface to ensure lowest retention in its class.





ABDOS BEVELLED TIPS

Precise diamond polished with special treatment on bevelled orifice prevents smooth working & sample hold-up. Bevelled orifice prevents sample hang up and makes it easier to pipette-off the last drop of sample. Bevelled tips prevent accidental damage of gel rupture during loading. Perfect airlock grip on pipette by inner radial rings for accurate pipetting.



THE ABDOS EDGE

The Universal Tip collar fits all popular pipettes.

The use of multiple cavity tools guarantees high conformity within one batch. The automated moulding and assembling procedures carried out under validated clean-room conditions to eliminate contamination.

Thin-wall technology ensures perfect seal while reducing the loading and ejection forces.



ABDOS XTREME-POINT TIPS

Xtreme point orifice for precise work like gel loading & careful pipetting between spaces as small as 1 mm as in PAGE, AGE & IEF.

Ultra clear transparency for two phase pipetting.



PIPETTE TIPS, BULK IN RESEALABLE BAGS, PP

- Bulk Micro Tips are offered in resealable zip lock bag.
- The micro Tips can be manually accumulated in empty boxes.
- The product is free from contamination and dust.
- Abdos polyethylene pouches are recyclable.



Code	Capacity	Colour	No./case	Price/case (₹)	Price/192 case (₹)
PI0115	0.1 - 10 µl (Graduated)	Natural	1000	576	103956
PI0137	0.1 - 10 µl Extended (Graduated)	Natural	1000	576	103956
PI0129	1 - 200 µl (Bevelled Graduated)	Yellow	1000	469	84645
PI0130	1 - 200 µl (Bevelled Graduated)	Natural	1000	469	84645
PI0101	1 - 200 µl (Xtreme Point Tip Orifice)	Yellow	1000	482	86991
PI0105	1 - 200 µl (Xtreme Point Tip Orifice)	Natural	1000	482	86991
PI0138	1 - 300 µl (Graduated)	Natural	1000	587	105941
PI0102	100 - 1000 µl (Graduated)	Blue	500	346	62446
PI0106	100 - 1000 µl (Graduated)	Natural	500	346	62446
PI0174	100 - 1000 µl XL (Graduated)	Natural	500	409	73816
PI0175	100 - 1250 µl (Graduated)	Natural	500	404	72914

PI0115



PI0137



PI0129



PI0130



PI0138



PI0102



PI0175



PIPETTE TIPS, BULK IN SUSTAINABLE PACKS

NEW

- Bulk Micro Tips are offered in resealable zip lock bag.
- Each shipper case will contain 20 resalable zip lock bags without inner paper boxes.

Code	Capacity	Colour	No./case	Price/case (₹)
PI0123	0.1 - 10 µl (Graduated)	Natural	20000	9200
PI0124	1 - 200 µl (Bevelled Graduated)	Yellow	20000	7500
PI0125	1 - 200 µl (Bevelled Graduated)	Natural	20000	7500
PI0126	100 - 1000 µl (Graduated)	Blue	10000	5520
PI0127	100 - 1000 µl (Graduated)	Natural	10000	5520

LARGE VOLUME PIPETTE TIPS, BULK IN RESEALABLE BAGS, PP

- The ergonomically optimized cone geometry provides the optimal pipette fit on the models from other manufacturers.
- Fine Graduations make visual checks of the pipetting volume even easier.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0144	100 - 5000 µl (Graduated)	Natural	100	512
PI0145	500 - 10000 µl (Graduated)	Natural	100	1023

PI0144



PI0145



PURERIGHT™ PIPETTE TIPS, INDIVIDUALLY WRAPPED, STERILE, PP

- Individually wrapped pipette tips are manufactured as per the sterile purity level.
- Sterile individually wrapped tips have been validated according to ISO 11137 SAL 10⁻⁶.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0164	0.1 - 10 µl (Graduated)	Natural	350	1207
PI0165	0.1 - 10 µl (Extended Graduated)	Natural	350	1207
PI0161	1 - 200 µl (Bevelled Graduated)	Natural	350	1207
PI0166	1 - 300 µl (Graduated)	Natural	350	1207
PI0163	100 - 1000 µl (Graduated)	Natural	350	1308
PI0167	100 - 1000 µl XL (Graduated)	Natural	100	402
PI0168	100 - 1250 µl (Graduated)	Natural	100	397
PI0169	100 - 5000 µl (Graduated)	Natural	60	938
PI0170	500 - 10000 µl (Graduated)	Natural	50	1168



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PIPETTE TIPS, GEN 2, RACKED, PP

- Gen 2 Racked Micro Tips are offered in prefilled racks that don't require manual accumulation in empty boxes.
- Polypropylene racks are very robust, sturdy with consistent and thick wall thickness.
- Gen 2 Racks are hinged with transparent lid & base providing excellent view inside the box.
- Gen 2 Racks are stackable. Reusable once empty.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0116	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	2107
PI0139	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	2107
PI0140	1 – 200 µl (Bevelled Graduated)	Yellow	10 Racks x 96 pcs	2146
PI0141	1 – 200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	2146
PI0107	1 – 200 µl (Xtreme Point Tip Orifice)	Yellow	10 Racks x 96 pcs	2210
PI0108	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	10 Racks x 96 pcs	2210
PI0142	1 – 300 µl (Graduated)	Natural	10 Racks x 96 pcs	2146
PI0109	100 – 1000 µl (Graduated)	Blue	10 Racks x 96 pcs	2334
PI0110	100 – 1000 µl (Graduated)	Natural	10 Racks x 96 pcs	2334
PI0155	100 – 1000 µl XL (Graduated)	Natural	10 Racks x 96 pcs	2429
PI0157	100 – 1250 µl (Graduated)	Natural	10 Racks x 96 pcs	2517
PI0159	100 – 5000 µl (Graduated)	Natural	6 Racks x 24 pcs	2121
PI0160	500 – 10000 µl (Graduated)	Natural	6 Racks x 24 pcs	3175



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PIPETTE TIPS, GEN 2, STERILE RACKED, PP



Code	Capacity	Colour	No./case	Price/case (₹)
PI0117	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	2592
PI0147	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	2547
PI0148	1 – 200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	2581
PI0149	1 – 200 µl (Bevelled Graduated)	Yellow	10 Racks x 96 pcs	2581
PI0111	1 – 200 µl (Xtreme Point Tip Orifice)	Yellow	10 Racks x 96 pcs	2643
PI0112	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	10 Racks x 96 pcs	2643
PI0150	1 – 300 µl (Graduated)	Natural	10 Racks x 96 pcs	2581
PI0113	100 – 1000 µl (Graduated)	Blue	10 Racks x 96 pcs	2865
PI0114	100 – 1000 µl (Graduated)	Natural	10 Racks x 96 pcs	2865
PI0156	100 – 1000 µl XL (Graduated)	Natural	10 Racks x 96 pcs	2823
PI0158	100 – 1250 µl (Graduated)	Natural	10 Racks x 96 pcs	2879
PI0171	100 – 5000 µl (Graduated)	Natural	6 Racks x 24 pcs	2370
PI0178	500 – 10000 µl (Graduated)	Natural	6 Racks x 24 pcs	3429



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PIPETTE TIPS, REFILL PACK, PP

- Racked Micro Tips are offered in prefilled trays that can be directly loaded in the box.
- Easy to load and remove into boxes.
- Saves time and costs of manual accumulation in empty boxes.
- More Cost effective and economical than racked micro tips.
- Fits Perfectly onto Abdos Gen 2 Boxes.
- 12 x 8 Array to align the contents in the box.
- Can be autoclaved when racked.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0118	0.1 – 10 µl (Graduated)	Natural	12 Refill Racks x 96 Pcs	1644
PI0152	1 – 200 µl (Bevelled Graduated)	Natural	10 Refill Racks x 96 Pcs	1435
PI0153	1 – 200 µl (Bevelled Graduated)	Yellow	10 Refill Racks x 96 Pcs	1435
PI0119	1 – 200 µl (Xtreme Point Tip Orifice)	Yellow	10 Refill Racks x 96 Pcs	1479
PI0120	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	10 Refill Racks x 96 Pcs	1479
PI0154	1 – 300 µl (Graduated)	Natural	10 Refill Racks x 96 Pcs	1435
PI0176	100 – 1000 XL µl (Graduated)	Natural	6 Refill Racks x 96 Pcs	979
PI0177	100 – 1250 µl (Graduated)	Natural	6 Refill Racks x 96 Pcs	979



LAST DROP™ Low Retention Pipette Tips



The Retention level is 10 times lesser with viscous samples than standard pipette tips.

Super homogenous surface free sites prevent non-specific binding.

DNase, RNase and Pyrogen free.

Tips are also free from Bacteriostatic & Fungistatic property that gives tips a unique feature to work in microbiological lab.

Optimal surface for enhanced dispensing behaviour & minimal sample loss of highly viscous liquids or samples containing detergents.

The use of the latest injection moulding process produce high precision, thin wall tips with high clarity for better visibility of sample.

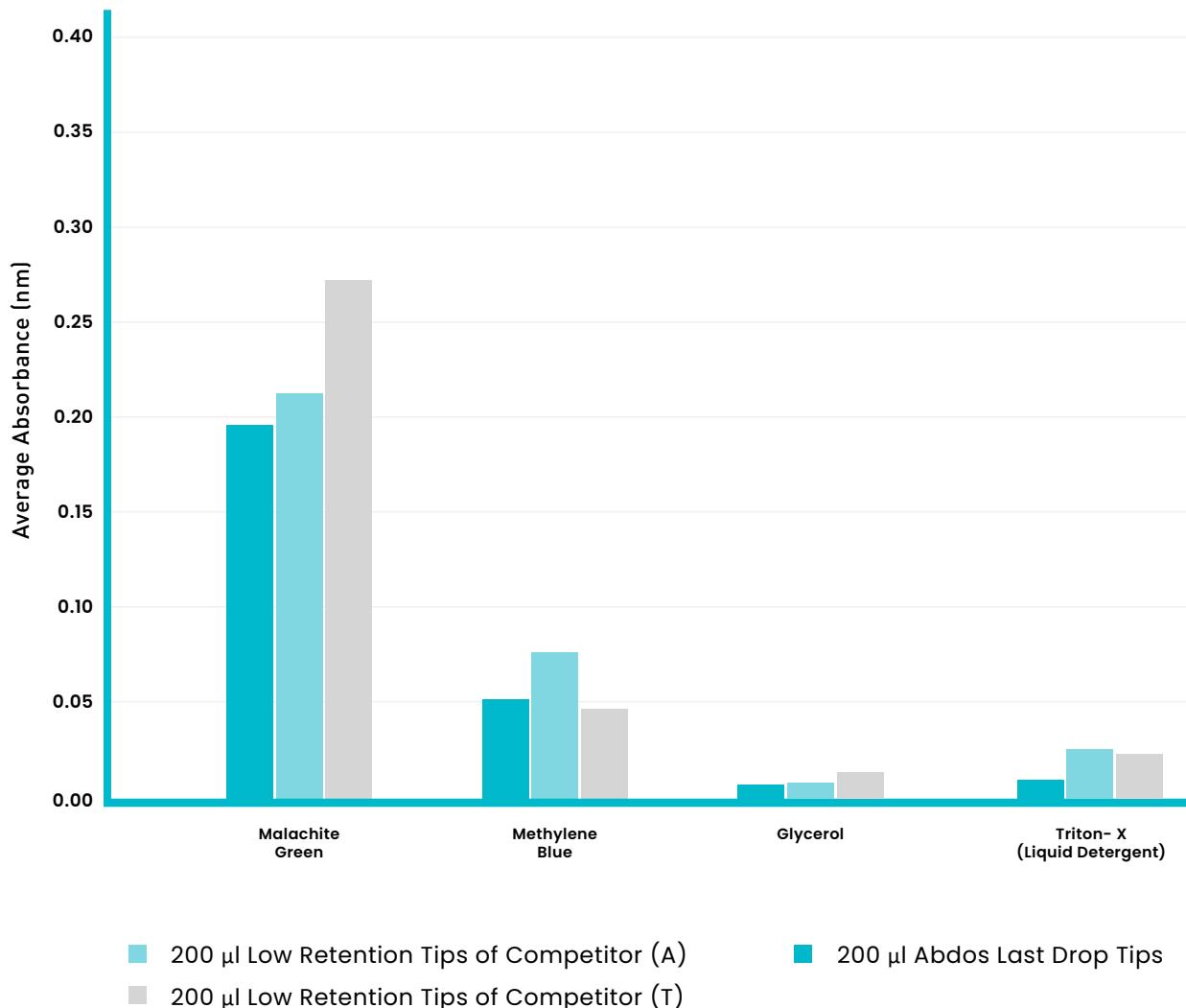
Reduce Sample retention for precision & to save on costly reagents.

All tips are manufactured from ultrapure USP Class VI certified, Virgin PP (Polypropylene) to ensure the highest quality. Free from heavy metals, natural rubber and inhibitory plasticizers.

MATERIAL & METHOD

- 200 μ l Last Drop pipette tips were compared with other low retention tips in combination with an electronic pipette, were used to aspirate & dispense 100 μ l of Malachite Green, Methylene Blue, Glycerol & Triton-X (liquid detergent) at a constant pipetting speed.
- Residual in the pipette were washed out by repeated rinsing with 200 μ l water into cuvette and compared photometrically. The average values established are shown in the table.

COMPARISON CHART



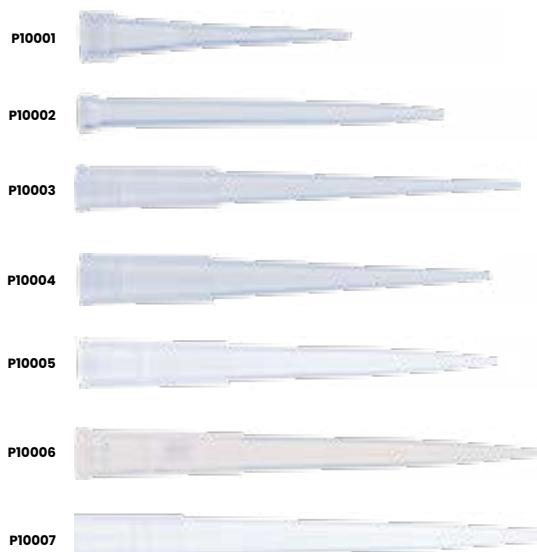
Result: Abdos Last Drop Pipette Tips clearly reduce sample loss. As seen above in the graph, it clearly indicates that Abdos Tips retained least amount of residue and saves on costly reagents.

LAST DROP™ LOW RETENTION PIPETTE TIPS, BULK IN RESEALABLE BAGS, PP

- Bulk Last Drop™ Micro Tips are offered in resealable zip lock bag.
- Tips can be manually accumulated in empty boxes.
- The product is free from contamination and dust.
- Abdos polyethylene pouches are recyclable.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0001	0.1 – 10 µl (Graduated)	Natural	1000	997
PI0002	0.1 – 10 µl Extended (Graduated)	Natural	1000	997
PI0003	1 – 200 µl (Bevelled Graduated)	Natural	1000	1234
PI0004	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	1000	1296
PI0005	1 – 300 µl (Graduated)	Natural	1000	1120
PI0006	100 – 1000 µl (Graduated)	Natural	500	772
PI0007	100 – 1000 µl XL (Graduated)	Natural	500	778
PI0008	100 – 1250 µl (Graduated)	Natural	500	772



PURERIGHT™ LAST DROP LOW RETENTION PIPETTE TIPS, INDIVIDUALLY WRAPPED, STERILE, PP

- Individually wrapped pipette tips are manufactured as per the sterile purity level
- Sterile individually wrapped tips have been validated according to ISO 11137 SAL 10⁻⁶



Code	Capacity	Colour	No./case	Price/case (₹)
PI0010	0.1 – 10 µl (Graduated)	Natural	350	1402
PI0011	0.1 – 10 µl Extended (Graduated)	Natural	350	1402
PI0012	1 – 200 µl (Bevelled Graduated)	Natural	350	1402
PI0013	1 – 300 µl (Graduated)	Natural	350	1402
PI0014	100 – 1000 µl (Graduated)	Natural	350	1611
PI0015	100 – 1000 µl XL (Graduated)	Natural	100	481
PI0016	100 – 1250 µl (Graduated)	Natural	100	475



LAST DROP™ LOW RETENTION PIPETTE TIPS, GEN 2, RACKED, PP

- Gen 2 Racked Last Drop™ Micro Tips are offered in prefilled racks that do not require manual accumulation in empty boxes.
- Polypropylene racks are very robust, sturdy with consistent and thick wall thickness.
- Can be used for repeat autoclaving.
- Gen 2 Racks are hinged with transparent lid & base providing excellent view inside the box.
- Gen 2 Racks are stackable and reusable once empty.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0020	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	2864
PI0021	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	2864
PI0022	1 – 200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	2921
PI0023	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	10 Racks x 96 pcs	3017
PI0024	1 – 300 µl (Graduated)	Natural	10 Racks x 96 pcs	2921
PI0025	100 – 1000 µl (Graduated)	Natural	10 Racks x 96 pcs	3290
PI0026	100 – 1000 µl XL (Graduated)	Natural	10 Racks x 96 pcs	3304
PI0027	100 – 1250 µl (Graduated)	Natural	10 Racks x 96 pcs	3290



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LAST DROP™ LOW RETENTION PIPETTE TIPS, GEN 2, STERILE RACKED, PP



Code	Capacity	Colour	No./case	Price/case (₹)
PI0040	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	3322
PI0041	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	3322
PI0042	1 – 200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	3383
PI0043	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	10 Racks x 96 pcs	3473
PI0044	1 – 300 µl (Graduated)	Natural	10 Racks x 96 pcs	3383
PI0045	100 – 1000 µl	Natural	10 Racks x 96 pcs	3886
PI0046	100 – 1000 µl XL (Graduated)	Natural	10 Racks x 96 pcs	3899
PI0047	100 – 1250 µl (Graduated)	Natural	10 Racks x 96 pcs	3886



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LAST DROP™ LOW RETENTION PIPETTE TIPS, REFILL PACK, PP

- Racked Micro Tips are offered in prefilled trays that can be directly loaded in the box.
- Easy to load and remove into boxes.
- Saves time and costs of manual accumulation in empty boxes.
- Fits Perfectly onto Abdos Gen2 Boxes.
- 12 x 8 Array to align the contents in the box.
- Can be autoclaved when racked.



Code	Capacity	Colour	No./case	Price/case (₹)
PI0060	0.1 – 10 µl (Graduated)	Natural	12 Refill Racks x 96 pcs	2345
PI0061	1 – 200 µl (Bevelled Graduated)	Natural	10 Refill Racks x 96 pcs	1957
PI0062	1 – 200 µl (Xtreme Point Tip Orifice)	Natural	10 Refill Racks x 96 pcs	2036
PI0063	1 – 300 µl (Graduated)	Natural	10 Refill Racks x 96 pcs	1957
PI0064	100 – 1000 µl XL (Graduated)	Natural	6 Refill Racks x 96 pcs	2216
PI0065	100 – 1250 µl (Graduated)	Natural	6 Refill Racks x 96 pcs	2205



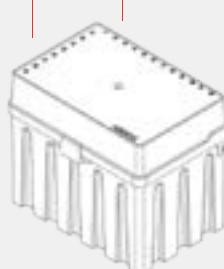
Abdos Life Science successfully filed PATENT in Pipette Tip Box Category

Anti-Warpage Technology offers strength & security at liquid handling

Design with consistent wall thickness for repetitive use in single and multi-channel pipettes

Transparent top cover & bottom provides an excellent view of the Micro Tips inside the box

Hinged lid provides fast, safe pipette tip access



Green Manufacturing & Reusable once empty, saves plastics



Anti-Warpage
Technology

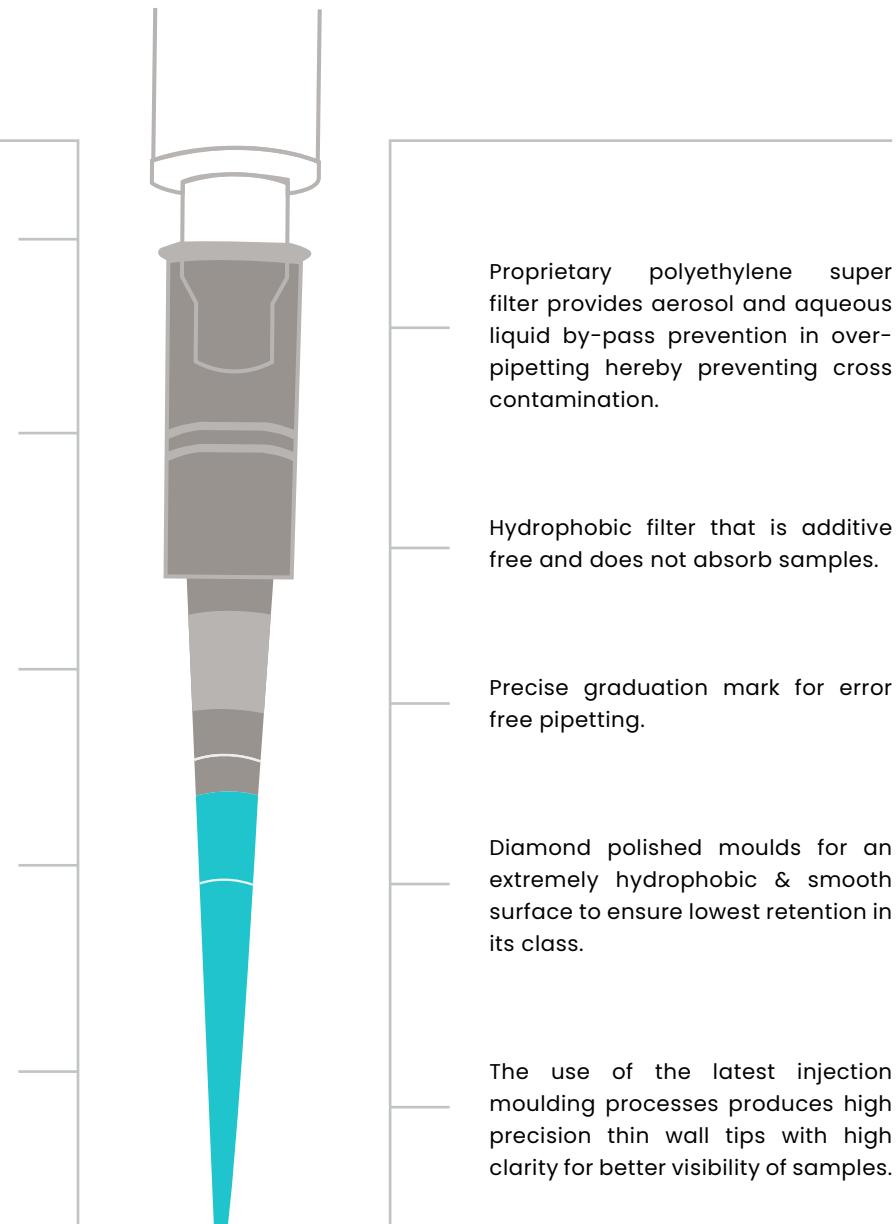


Anti-Shrink
Technology



Robust Design
& Strength

SUPER Filter Tips



Best Suited for Biological application.

Abdos Filter is 100% pure porous PE. It makes Recovery of Samples from Wetted, Filtered without Contamination.

Non Cytotoxic (ISO 10993-5 MRM, Minimal Essential Media Elution, GLP Compliant).

99.9% Bacterial Aerosol Filtration Efficiency (BFE), (ASTM F21012).

Non Hemolytic (Modified ASTM F 756-08 Hemolysis Direct Contact GLP with Human Blood).

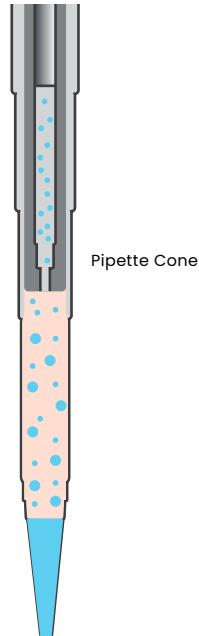
Inert, Hydrophobic Filter does not trap or block the liquid.

ABDOS SUPER FILTER PREVENTS BOTH LIQUID & AEROSOL PASSING THROUGH THE FILTER

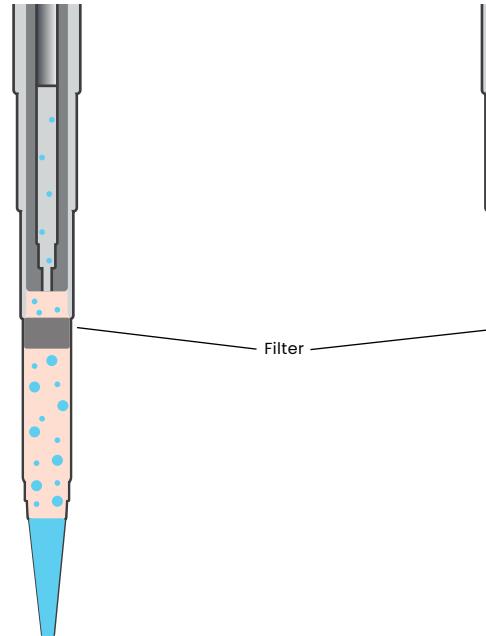
Case Study:

Contamination is one of the major issue we faced while working in our labs. Majorly contamination is been carried out while pipetting the samples from one source to the other; therefore Abdos offers Super filter that prevents both Liquid & Aerosol passing through the filter, thus making pipette shaft contamination free.

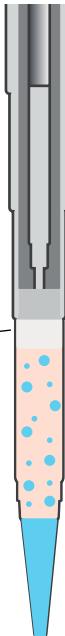
Non filter
Pipette Tips



Selective Barrier
Pipette Tips



Abdos Super
Filter Tip



May lead to contamination of the pipette as there is no barrier for Liquid or Aerosol to prevent entering into the shaft. Thus can affect the experiment & samples can be contaminated.

Most filter pipette tips do not act as a barrier to both liquid and Aerosol. The Pores of the filter act as a selective barrier thereby contaminating the pipette. While in other filter pipette tips, the liquid touches the filter, the filter becomes wet and locks. Hence, possibility of sample recovery is not possible.

Abdos Super filter prevents Aerosol passing through & aqueous liquid by-pass prevention in over-pipetting. Thus makes it unique in preventing the contamination.

Proprietary Pure Porous Hydrophobic PE filter helps us to recover contamination free samples from wetted filter and does not trap or block the liquid into the filter.

FILTER PIPETTE TIPS, BULK IN RESEALABLE BAGS, PP

- Bulk Filter Pipette Tips are offered in resealable zip lock bag.
- Tips can be manually accumulated in empty boxes.
- The product is free from contamination and dust.
- Abdos polyethylene pouches are recyclable.



IVDR
CERTIFIED

Code	Capacity	Colour	No./case	Price/case (₹)
P11001	0.1 - 10 µl (Graduated)	Natural	1000	2388
P11002	0.1 - 10 µl Extended (Graduated)	Natural	1000	2388
P11003	1 - 20 µl (Bevelled Graduated)	Natural	1000	2580
P11004	1 - 100 µl (Bevelled Graduated)	Natural	1000	2580
P11005	1 - 200 µl (Bevelled Graduated)	Natural	1000	2580
P11006	1 - 300 µl (Graduated)	Natural	1000	2580
P11007	100 - 1000 µl (Graduated)	Natural	500	1648
P11015	100 - 1000 µl XL (Graduated)	Natural	500	2102
P11016	100 - 1250 µl (Graduated)	Natural	500	2092

P11001

P11002

P11003

P11004

P11005

P11006

P11007

P11015

P11016

LARGE VOLUME FILTER PIPETTE TIPS, BULK IN RESEALABLE BAGS, PP

- The ergonomically optimized cone geometry provides the optimal pipette fit on the models from other manufacturers.
- Fine Graduations make visual checks of the pipetting volume even easier.



IVDR
CERTIFIED

Code	Capacity	Colour	No./case	Price/case (₹)
P11017	100 - 5000 µl (Graduated)	Natural	100	1461
P11018	500 - 10000 µl (Graduated)	Natural	100	2006

P11017

P11018

PURERIGHT™ FILTER PIPETTE TIPS, INDIVIDUALLY WRAPPED, STERILE, PP

- PureRight™ Individually wrapped Filter Tips are offered in sealed proof packaging.
- These tips are gamma radiated.
- The product is free from contamination and dust.
- Every piece comes with infographics of Lot & Expiry details.
- Abdos polyethylene pouches are recyclable.



IVDR
CERTIFIED

STERILE **R**

SAL 10⁻⁶

Code	Capacity	Colour	No./case	Price/case (₹)
P11008	0.1 - 10 µl (Graduated)	Natural	350	1792
P11009	0.1 - 10 µl Extended (Graduated)	Natural	350	1792
P11010	1 - 20 µl (Graduated)	Natural	350	1792
P11011	1 - 100 µl (Graduated)	Natural	350	1792
P11012	1 - 200 µl (Graduated)	Natural	350	1792
P11013	1 - 300 µl (Graduated)	Natural	350	1792
P11014	100 - 1000 µl (Graduated)	Natural	350	2139
P11019	100 - 1000 µl XL (Graduated)	Natural	100	637
P11049	100 - 1250 µl (Graduated)	Natural	100	637
P11099	100 - 5000 µl (Graduated)	Natural	60	1210
P110100	500 - 10000 µl (Graduated)	Natural	50	2106



FILTER PIPETTE TIPS – GEN 2, RACKED, PP

- Gen 2 Racked Filter Tips are offered in prefilled racks that do not require manual accumulation in empty boxes.
- Polypropylene racks are very robust, sturdy with consistent and thick wall thickness.
- Gen 2 Racks are hinged with transparent lid & base providing excellent view inside the box.
- Gen 2 Racks are stackable and reusable once empty.



IVDR
CERTIFIED



Code	Capacity	Colour	No./case	Price/case (₹)
PII020	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	3996
PII022	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	4104
PII024	1–20 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	3996
PII026	1–50 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	3996
PII028	1–100 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	3996
PII032	1–200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	3996
PII034	1–300 µl (Graduated)	Natural	10 Racks x 96 pcs	3996
PII036	100–1000 µl (Graduated)	Natural	10 Racks x 96 pcs	4595
PII038	100–1000 µl XL (Graduated)	Natural	10 Racks x 96 pcs	4871
PII039	100–1250 µl (Graduated)	Natural	10 Racks x 96 pcs	4860
PII030	100–5000 µl (Graduated)	Natural	6 Racks x 24 pcs	2781
PII031	500–10000 µl (Graduated)	Natural	6 Racks x 24 pcs	4012



FILTER PIPETTE TIPS, STERILE GEN 2 RACKED, PP



IVDR
CERTIFIED

STERILE **R**

SAL 10⁻⁶

Code	Capacity	Colour	No./case	Price/case (₹)	No./Bulk Case	Price/Bulk Case (₹)
PII021	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	4155	20	78116
PII023	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	4266	20	80206
PII025	1–20 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	4155	20	78116
PII027	1–50 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	4155	20	78116
PII029	1–100 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	4155	20	78116
PII033	1–200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	4155	20	78116
PII035	1–300 µl (Graduated)	Natural	10 Racks x 96 pcs	4155	20	78116
PII037	100–1000 µl (Graduated)	Natural	10 Racks x 96 pcs	4786	20	89980
PII047	100–1000 µl XL (Graduated)	Natural	10 Racks x 96 pcs	5120	20	96251
PII048	100–1250 µl (Graduated)	Natural	10 Racks x 96 pcs	5109	20	96046
PII072	100–5000 µl (Graduated)	Natural	6 Racks x 24 pcs	3025	20	56865
PII073	500–10000 µl (Graduated)	Natural	6 Racks x 24 pcs	4278	20	80431



Organization: NeoDx Biotech labs Pvt Ltd

“ Great results. Keep going.. Will always recommend Abdos ”

Ease of Use

Average Rating 5.0

After Sales Service

Application Area: Molecular Biology

Value for Money

We are using Abdos filter tips for past 2 years and just in one word its awesome. We are using wide range of filter tips from your side like 10µl,200µl,1000µl range and all of them are precise and accurate even 10µl filter are precise and we are using it for all our molecular biology works from past 2 years. Most valid reason to stay with Abdos is they never compromise with the quality and sterility of the product. Keep growing..

Review Date: 15 Dec 2022 | Abdos



LAST DROP™ Filter Tips

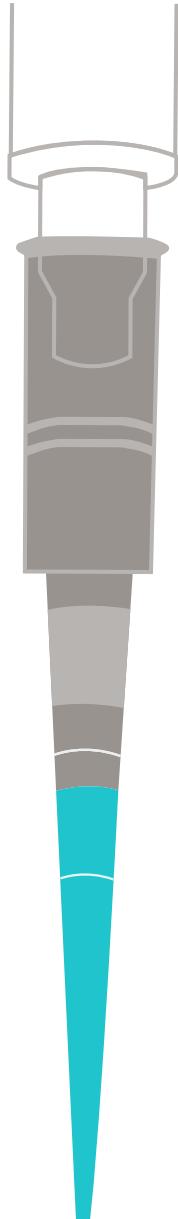
The retention level is minimal with viscous liquid, thus reducing sample retention for precision & saves on costly reagents.

All Tips are manufactured from ultra pure USP Class VI certified virgin polypropylene to ensure the highest quality. Free from, heavy metals natural rubber & inhibitory plasticizers.

Superior leaching performance in its class assures contamination free results.

Precise safety gap between liquid & filter for electronic pipette and reverse pipetting.

Optimal surface for enhanced dispensing behaviour & minimal sample loss of highly viscous liquids or samples containing detergents.



Proprietary polyethylene super filter provides aerosol and aqueous liquid by-pass prevention in over-pipetting hereby preventing cross contamination.

Hydrophobic filter that is additive free and does not absorb samples.

Precise graduation mark for error free pipetting.

Diamond polished moulds for an extremely hydrophobic & smooth surface to ensure lowest retention in its class.

Super homogenous surface free sites prevent non-specific binding.

Best Suited for Biological application.

Abdos Filter is 100% pure porous PE. It makes Recovery of Samples from Wetted, Filtered without Contamination.

Non Cytotoxic (ISO 10993-5 MRM, Minimal Essential Media Elution, GLP Compliant).

99.9% Bacterial Aerosol Filtration Efficiency (BFE), (ASTM F21012).

Non Hemolytic (Modified ASTM F 756-08 Hemolysis Direct Contact GLP with Human Blood).

Inert, Hydrophobic Filter does not trap or block the liquid.

60 LAST DROP™, LOW RETENTION FILTER PIPETTE TIPS, BULK IN RESEALABLE BAGS, PP

- Bulk Last Drop™ Filter Tips are offered in resealable zip lock bag.
- The micro Tips can be manually accumulated in empty boxes.
- The product is free from contamination and dust.
- Abdos polyethylene pouches are recyclable.



P11050

P11051

P11052

P11053

P11054

P11055

P11056

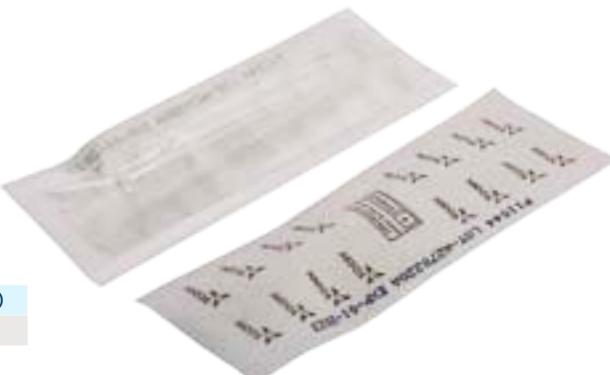
P11057

P11058

Code	Capacity	Colour	No./case	Price/case (₹)
P11050	0.1 – 10 µl (Graduated)	Natural	1000	3099
P11051	0.1 – 10 µl (Extended Graduated)	Natural	1000	3210
P11052	1 – 20 µl (Bevelled Graduated)	Natural	1000	3316
P11053	1 – 100 µl (Bevelled Graduated)	Natural	1000	3316
P11054	1 – 200 µl (Bevelled Graduated)	Natural	1000	3316
P11055	1 – 300 µl (Graduated)	Natural	1000	3316
P11056	100–1000 µl (Graduated)	Natural	500	2018
P11057	100 – 1000 µl XL (Graduated)	Natural	500	2165
P11058	100 – 1250 µl (Graduated)	Natural	500	2154

61 PURERIGHT™ LAST DROP LOW RETENTION FILTER PIPETTE TIPS, INDIVIDUALLY WRAPPED, STERILE, PP

- Individually wrapped Filter Tips are offered in sealed proof packaging.
- These tips are gamma radiated.
- The product is free from contamination and dust.
- Every piece comes with infographics of Lot and Expiry details.
- Abdos polyethylene pouches are recyclable.



Code	Capacity	Colour	No./case	Price/case (₹)
P11040	0.1 – 10 µl (Graduated)	Natural	350	2227
P11041	0.1 – 10 µl Extended (Graduated)	Natural	350	2227
P11042	1 – 20 µl (Graduated)	Natural	350	2227
P11043	1 – 100 µl (Graduated)	Natural	350	2227
P11044	1 – 200 µl (Graduated)	Natural	350	2227
P11045	1 – 300 µl (Graduated)	Natural	350	2227
P11046	100 – 1000 µl (Graduated)	Natural	350	2659
P11070	100 – 1000 µl XL (Graduated)	Natural	100	805
P11071	100 – 1250 µl (Graduated)	Natural	100	799



Organization: Advanced Center for Human Genetics, Sher I Kashmir Institute of Medical Sciences Soura Srinagar 1

“ Good product for better, efficient and reproducible results in liquid handling ”

★★★★★ Average Rating 5.0

Application Area: Nucleic Acid Extraction and Protein production and purification

Good product for liquid handling especially with viscous liquids. Excellent for application that requires precision. Low retention significantly reduces pipetting errors and time, reduces sample loss and efficient sample disposal.

Review Date: 4 Jul 2023 | Abdos



Ease of Use ★★★★★

After Sales Service ★★★★★

Value for Money ★★★★★

LAST DROP™, LOW RETENTION FILTER PIPETTE TIPS – GEN 2 RACKED, PP

- Gen 2 Racked Last Drop™ Filter Tips are offered in prefilled racks that do not require manual accumulation in empty boxes.
- Polypropylene racks are very robust, sturdy with consistent and thick wall thickness.
- Gen 2 Racks are hinged with transparent lid & base providing excellent view inside the box.
- Gen 2 Racks are stackable. Reusable once empty.



Code	Capacity	Colour	No./case	Price/case (₹)
PII060	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	5130
PII062	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	5238
PII064	1 – 20 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5130
PII066	1 – 50 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5130
PII068	1 – 100 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5130
PII072	1 – 200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5130
PII074	1 – 300 µl (Graduated)	Natural	10 Racks x 96 pcs	5130
PII076	100–1000 µl (Graduated)	Natural	10 Racks x 96 pcs	5778
PII078	100 – 1000 µl (XL) (Graduated)	Natural	10 Racks x 96 pcs	6043
PII080	100 – 1250 µl (Graduated)	Natural	10 Racks x 96 pcs	6032



LAST DROP™, LOW RETENTION FILTER PIPETTE TIPS – STERILE GEN 2 RACKED, PP



Code	Capacity	Colour	No./case	Price/case (₹)	No./Bulk Case	Price/Bulk case (₹)
PII061	0.1 – 10 µl (Graduated)	Natural	10 Racks x 96 pcs	5431	20	102112
PII063	0.1 – 10 µl Extended (Graduated)	Natural	10 Racks x 96 pcs	5544	20	104222
PII065	1 – 20 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5431	20	102112
PII067	1 – 50 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5431	20	102112
PII069	1 – 100 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5431	20	102112
PII073	1 – 200 µl (Bevelled Graduated)	Natural	10 Racks x 96 pcs	5431	20	102112
PII075	1 – 300 µl (Graduated)	Natural	10 Racks x 96 pcs	5431	20	102112
PII077	100–1000 µl (Graduated)	Natural	10 Racks x 96 pcs	6033	20	113423
PII079	100 – 1000 µl (XL) (Graduated)	Natural	10 Racks x 96 pcs	6824	20	128300
PII081	100 – 1250 µl (Graduated)	Natural	10 Racks x 96 pcs	6814	20	128095



Organization: Translational Health Science and Technology Institute

Ease of Use

After Sales Service

Value for Money

“ Fits perfectly, good design, saves time. ”

Average Rating 4.0

Application Area: Neutralization assays

Perfect tips for easy dispensing and visible volume measurements. fits in almost all the pipettes, and multichannel. I have used these tips in multichannel pipettes, for doing high-throughput assays. it was relatively easier to remove/insert tips when you continuously do a rigorous amount of work. thus, doesn't hurt my hands, and saves time. fits properly.

Review Date: 16 Dec 2022 | Abdos

64

EMPTY MICRO TIP GEN 2 BOXES, PP

- Abdos Micro Tip Gen 2 Boxes are robust with consistent wall thickness for repetitive use in single and multi channel pipette.
- Abdos Micro Tip Gen 2 Box can accommodate Abdos Micro Tips and the tip holding spaces are uniformly placed to facilitate easy use in multi channel pipette.
- These boxes are stackable.
- Transparent top cover provides an excellent view of the Micro Tips inside the box.
- Manufactured in high quality polypropylene.
- Can be autoclaved.



65

REAGENT RESERVOIR, HIPS

- Unique "trough within a trough" maximizes reagent recovery.
- Convenient pour-off spouts on all four corners.
- A wide base provides stability and avoids spills.
- Graduated marks on inside wall.
- Superior design provides stronger sidewalls.
- 100ml reagent reservoir has capacity for extended multi-channel pipetting into microtiter plates.
- This design allows ample clearance for all types of pipettes.



Code	Capacity	No./case	Price/case (₹)
PI0501	25 ml	10	1532
PI0503	100 ml	10	1792



Organization: Delhi Pharmaceutical Sciences and Research University

Ease of Use

After Sales Service

Value for Money

“ fantastic instrument and very useful ”

Average Rating 5.0

Application Area: Analyze metabolites in sample

It is 100% pure and provides protection against aerosols and biomolecules. Filter Tips are provided in pre-filled racks so that manual collection in bare boxes is not required. It's very nice, easy and affordable. They also protect the pipette shafts from contamination and reduce the risk of cross-contamination.

Review Date: 15 Dec 2022 | Abdos



Scan to watch product video.

ABDOS TIPS & LAST DROP PIPETTE TIPS

COMPATIBILITY CHART

Pipettor Brand/ Make			Elegant Pipettes									
			Single channel									
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-2.5µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	20-2000µl	30-3000µl	100-10000µl	20000-100000µl
P10115	P10001	0.1-10µl	✓	✓								
P10137	P10002	0.1-10µl	✓	✓								
P10129		1-200µl			✓	✓	✓					
P10130	P10003	1-200µl			✓	✓	✓					
P10101		1-200µl			✓	✓	✓					
P10105	P10004	1-200µl			✓	✓	✓					
P10138	P10005	1-300µl			✓	✓	✓	✓	✓			
P10102		100-1000µl									✓	
P10106	P10006	100-1000µl									✓	
P10174	P10007	100-1000µl									✓	
P10175	P10008	100-1250µl									✓	
P10144		1-5ml									✓	✓
P10145		1-10ml									✓	✓

Pipettor Brand / Make			Abdos Premium (Single Channel)			Abdos Premium Plus (Single Channel)			Abdos Fixed (Single Channel)			Abdos Premium (Multi Channel)	Abdos Premium Plus (Multi Channel)
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.5 - 10 µl	2-20 µl	10-100 µl	20-200 µl	100-1000 µl	0.5 - 10 µl	2-20 µl	10-100 µl	20-200 µl	100-1000 µl	2000-10000 µl
P10115	P10001	0.1 - 10 µl	✓				✓			✓			✓
P10137	P10002	0.1 - 10 µl	✓				✓			✓			✓
P10129	-	1 - 200 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P10130	P10003	1 - 200 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P10101	-	1 - 200 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P10105	P10004	1 - 200 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P10138	P10005	1 - 300 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P10102	-	100 - 1000 µl			✓				✓			✓	✓
P10106	P10006	100 - 1000 µl			✓			✓				✓	✓

Pipettor Brand/ Make			Biohit eLine (Single channel)		Biohit eLine (multi channel)		Biohit m- Line® (Single channel)		Biohit m- Line® (multi channel)		Biohit Proline (Single channel)		Biohit Proline (Multi channel)		Biohit ePet (Single channel)											
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.2-10µl	5-120µl	10-300µl	50-1000µl	0.2-10µl	5-120µl	10-300µl	0.5-10µl	2-20µl	10-100µl	20-200µl	5-100µl	10-250µl	10-500µl	50-1000µl	0.2-10µl	5-100µl	25-250µl	0.2-10µl	5-100µl	50-300µl	0.5-10µl	5-50µl	2000-10000 µl
P10115	P10001	0.1 - 10 µl	✓				✓			✓			✓				✓				✓					
P10137	P10002	0.1 - 10 µl	✓				✓			✓			✓				✓				✓					
P10129	-	1 - 200 µl	✓							✓	✓		✓				✓				✓					
P10130	P10003	1 - 200 µl	✓							✓	✓		✓				✓				✓					
P10101	-	1 - 200 µl	✓							✓	✓		✓				✓				✓					
P10105	P10004	1 - 200 µl	✓							✓	✓		✓				✓				✓					
P10138	P10005	1 - 300 µl	✓	✓			✓			✓	✓		✓			✓	✓			✓	✓					
P10102	-	100 - 1000 µl			✓						✓			✓						✓						
P10106	P10006	100 - 1000 µl			✓						✓			✓						✓						

Pipettor Brand/ Make			Brand Transferpette								Brand Electronics												
			Single Channel				Multi Channel				Single Channel		Multi Channel										
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.1-1µl	0.5-10µl	2-20µl 'ULTRA MICRO'	2-20µl	5-50µl	10-100µl	20-200µl	25-250µl	100-1000µl	0.5-10µl	2-20µl	2.5-25µl	5-50µl	10-100µl	20-200µl	30-300µl	100-1000µl	0.5-10µl	5-100µl	10-200µl	15-300µl
P10115	P10001	0.1 - 10 µl	✓								✓					✓			✓				
P10137	P10002	0.1 - 10 µl	✓								✓					✓			✓				
P10129	-	1 - 200 µl			✓	✓	✓						✓	✓	✓		✓	✓		✓	✓		
P10130	P10003	1 - 200 µl			✓	✓	✓					✓	✓	✓		✓	✓		✓	✓			
P10101	-	1 - 200 µl			✓	✓	✓					✓	✓	✓		✓	✓		✓	✓			
P10105	P10004	1 - 200 µl			✓	✓	✓					✓	✓	✓		✓	✓		✓	✓			
P10138	P10005	1 - 300 µl			✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
P10102	-	100 - 1000 µl						✓										✓					
P10106	P10006	100 - 1000 µl			✓													✓					

Pipettor Brand/ Make			Brand Transferpette S								Capp Aero			Gilson Pipetman		Gilson Pipetman Ultra					
			Single Channel				Multi Channel		Single Channel /Multi Channel			Single Channel		Multi Channel							
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.1-1µl	0.5-10µl	2-20µl 'ULTRA MICRO'	10-100µl	20-200µl	100-1000µl	0.5-10µl	10-100µl	20-200µl	30-300µl	100-1000µl	0.2-2µl	1-10µl	2-20µl	20-100µl	50-200µl	200-1000µl	1-20µl	20-300µl
P10115	P10001	0.1 - 10 µl	✓				✓		✓	✓				✓	✓						
P10137	P10002	0.1 - 10 µl	✓				✓		✓	✓				✓	✓						
P10129	-	1 - 200 µl			✓	✓		✓	✓				✓	✓			✓	✓			
P10130	P10003	1 - 200 µl			✓	✓		✓	✓				✓	✓			✓	✓			
P10101	-	1 - 200 µl			✓	✓		✓	✓				✓	✓			✓	✓			
P10105	P10004	1 - 200 µl			✓	✓		✓	✓				✓	✓			✓	✓			
P10138	P10005	1 - 300 µl			✓	✓		✓	✓	✓			✓	✓	✓		✓	✓		✓	
P10102	-	100 - 1000 µl				✓								✓					✓		
P10106	P10006	100 - 1000 µl			✓								✓					✓			

Pipettor Brand / Make			Gilson Pipetman Ultra						Gilson Concept			Gilson Concept		Gilson Neo					
			Single Channel				Single Channel		Multi Channel		Single Channel		Single Channel						
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.2-2µl	1-10µl	2-20µl	20-100µl	20-200µl	200-1000µl	0.5-10µl	5-100µl	20-100µl	30-300µl	10-100µl	30-300µl	0.2-2µl	1-10µl	20-100µl	20-100µl	100-1000µl
P10115	P10001	0.1 - 10 µl		✓					✓				✓				✓		
P10137	P10002	0.1 - 10 µl		✓					✓				✓				✓		
P10129	-	1 - 200 µl				✓	✓				✓			✓				✓	
P10130	P10003	1 - 200 µl				✓	✓				✓			✓				✓	
P10101	-	1 - 200 µl				✓	✓				✓			✓				✓	
P10105	P10004	1 - 200 µl				✓	✓				✓			✓				✓	
P10138	P10005	1 - 300 µl				✓	✓				✓	✓		✓	✓		✓	✓	
P10102	-	100 - 1000 µl						✓											✓
P10106	P10006	100 - 1000 µl						✓											✓

Pipettor Brand/ Make			Vistalab Ovation QS			Vistalab Ovation M			Vistalab Ovation E			Eppendorf Reference			"Eppendorf Electronic"						
			Single Channel			Single Channel			Multi Channel			Single Channel									
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.2-2µL	1-10µL	2-20µL	10-100µL	20-200µL	100-1000µL	0.2-2µL	1-10µL	2-20µL	10-100µL	20-200µL	100-1000µL	0.2-2µL	1-10µL	2-20µL	10-100µL	20-200µL	100-1000µL	
P10115	P10001	0.1 - 10 µl	✓	✓	✓				✓	✓	✓				✓						
P10137	P10002	0.1 - 10 µl	✓	✓	✓				✓	✓	✓				✓	✓					
P10129	-	1 - 200 µl			✓	✓			✓	✓		✓	✓				✓	✓	✓	✓	
P10101	-	1 - 200 µl			✓	✓			✓	✓		✓	✓			✓	✓	✓	✓	✓	
P10105	P10004	1 - 200 µl			✓	✓			✓	✓		✓	✓			✓	✓	✓	✓	✓	
P10138	P10005	1 - 300 µl			✓	✓			✓	✓		✓	✓			✓	✓	✓	✓	✓	
P10102	-	100 - 1000 µl				✓			✓			✓			✓			✓		✓	
P10106	P10006	100 - 1000 µl				✓			✓			✓			✓		✓		✓		

Pipettor Brand/ Make			Eppendorf Research				"Eppendorf "			"Thermo Finnpipette"			"Thermo Finnpipette"		"Matrix Impact/Impact2"														
			Single Channel		Multi Channel		Single Channel		Multi Channel		s /mc																		
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.1-2.5µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	0.5-10µl	5-100µl	50-1000µl	0-300µl	30-300µl	50-1200µl	0.2-10µl	0.5-10µl	5-40µl	40-200µl	100-1000µl	200-1000µl	0.1-10µl "ULTRA MICRO"	2-20µl	10-100µl	20-200µl	100-1000µl	0.5-10µl	5-100µl	2-200µl	50-1000µl
P10115	P10001	0.1 - 10 µl	✓	✓				✓						✓	✓				✓										
P10137	P10002	0.1 - 10 µl	✓	✓				✓						✓	✓				✓										
P10129	-	1 - 200 µl			✓	✓			✓	✓							✓						✓	✓					
P10101	-	1 - 200 µl			✓	✓			✓	✓							✓						✓	✓					
P10105	P10004	1 - 200 µl			✓	✓			✓	✓							✓						✓	✓					
P10138	P10005	1 - 300 µl			✓	✓			✓	✓	✓	✓					✓						✓	✓	✓				
P10102	-	100 - 1000 µl				✓					✓*						✓		✓	✓									
P10106	P10006	100 - 1000 µl				✓					✓*						✓		✓	✓									

Pipettor Brand/ Make			Labnet Labpette				Labnet Labpette			Labnet BioPette E				"Nichiryo / Oxford Benchmate"														
			Single Channel		Multi Channel		Single Channel		Multi Channel		Single Channel & Multi Channel																	
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.1-2µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	0.5-10µl	2-20µl	10-200µl	100-1000µl	0.5-10µl	2-20µl	10-200µl	100-1000µl	0.5-10µl	2-20µl	10-100µl	20-200µl	30-300µl	2-125µl	2-20µl	10-50µl	10-100µl	20-200µl	20-200µl	100-1000µl
P10115	P10001	0.1 - 10 µl	✓	✓				✓				✓				✓												
P10137	P10002	0.1 - 10 µl	✓	✓				✓			✓				✓				✓									
P10129	-	1 - 200 µl			✓	✓			✓			✓				✓			✓					✓	✓			
P10101	-	1 - 200 µl			✓	✓			✓			✓				✓			✓				✓	✓				
P10105	P10004	1 - 200 µl			✓	✓			✓	✓		✓			✓			✓				✓		✓	✓			
P10138	P10005	1 - 300 µl			✓	✓			✓	✓		✓			✓			✓				✓		✓	✓			
P10102	-	100 - 1000 µl				✓						✓				✓			✓								✓	
P10106	P10006	100 - 1000 µl				✓						✓				✓			✓								✓	

Pipettor Brand/ Make			Socorex Calibra / Accura								Axygen Axypet																	
			Single Channel				Multi Channel				Single Channel				Multi Channel													
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	0.1-20 µl	0.2-20 µl	0.5-10 µl	1-10 µl	2-20 µl	10-100 µl	20-200 µl	100-1000 µl	1-10 µl	5-50 µl	10-100 µl	20-200 µl	50-200 µl	0.1-2 µl	0.5-10 µl	2-20 µl	5-50 µl	10-100 µl	20-200 µl	50-250 µl	100-1000 µl	1-10 µl	5-50 µl	20-200 µl	50-300 µl	
P10115	P10001	0.1 - 10 µl		✓	✓					✓														✓				
P10137	P10002	0.1 - 10 µl		✓	✓					✓														✓				
P10129	-	1 - 200 µl				✓	✓			✓	✓	✓	✓	✓						✓	✓	✓			✓	✓	✓	
P10130	P10003	1 - 200 µl				✓	✓			✓	✓	✓	✓	✓						✓	✓	✓			✓	✓	✓	
P10101	-	1 - 200 µl				✓	✓			✓	✓	✓	✓	✓						✓	✓	✓			✓	✓	✓	
P10105	P10004	1 - 200 µl				✓	✓			✓	✓	✓	✓	✓						✓	✓	✓			✓	✓	✓	
P10138	P10005	1 - 300 µl				✓	✓			✓	✓	✓	✓	✓						✓	✓	✓	✓		✓	✓	✓	
P10102	-	100 - 1000 µl						✓																✓				
P10106	P10006	100 - 1000 µl						✓																✓				

Pipettor Brand/ Make		BRAND		Eppendorf		Biohit Proline plus		Gilson		Thermo		Abdos	
Abdos Code for Pipette Tips	Volume	1-5 ml	1-10 ml	1-5 ml	1-10 ml	1-5 ml	1-10 ml	1-5 ml	1-10 ml	1-5 ml	1-10 ml	1-5 ml	1-10 ml
P10144	1 - 5 ml		✓		✓		✓		✓		✓		✓
P10145	1 - 10 ml	✓		✓		✓		✓		✓		✓	

Pipettor Brand/ Make			Abdos premium	Abdos premium Plus	ABDOS D. Pipette (Electronic)	Brand Transferpette S	Gilson Pipetman	Eppendorf Research
			Single channel				Single channel	
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	100-1000 µl	100-1000 µl	100-1000 µl	100-1000 µl	100-1000 µl	100-1000 µl
P10174	P10026	100 - 1000 µl	✓	✓	✓	✓	✓	✓
P10175	P10027	100 - 1250 µl	✓	✓	✓	✓	✓	✓

Pipettor Brand/ Make			THERMO (Electronic)	Thermo Finnpipette F3	Nichiryo NICHIPET EX	SOCOREX ACURA 825	BIOHIT Proline	ErgoOne Star Lab
			Multi channel				Single channel	
Abdos Code for Pipette Tips	Abdos Code for Last Drop Pipette Tips	Volume	100-1200 µl	100-1000 µl	100-1000 µl	100-1000 µl	100-1000 µl	100-1000 µl
P10174	P10026	100 - 1000 µl	✓	✓	✓	✓	✓	✓
P10175	P10027	100 - 1250 µl	✓	✓	✓	✓	✓	✓

ABDOS FILTER TIPS & LAST DROP FILTER PIPETTE TIPS COMPATIBILITY CHART

Pipettor Brand/ Make			Elegant Pipettes										
			Single channel										
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-2.5µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	20-2000µl	30-3000µl	100-10000µl	1000-50000µl	2000-100000µl
P11001	P11050	0.1-10µl	✓	✓									
P11002	P11051	0.1-10µl	✓	✓									
P11003	P11052	1-20µl			✓	✓	✓						
P11026	P11066	1-50µl				✓	✓	✓					
P11004	P11053	1-100µl				✓	✓	✓					
P11005	P11054	1-200µl				✓	✓	✓					
P11006	P11055	1-300µl					✓	✓	✓				
P11007	P11056	100-1000µl							✓				
P11015	P11057	100-1000µl								✓			
P11016	P11058	100-1250µl									✓		
P11017		100-5000µl										✓	✓
P11018		500-10000µl										✓	✓

Pipettor Brand/ Make			Abdos Premium (Single Channel)			Abdos Premium Plus (Single Channel)			Abdos Fixed (Single Channel)			Abdos Premium (Multi Channel)	Abdos Premium Plus (Multi Channel)
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.5 - 10 µl	2-20 µl	10-100 µl	20-200 µl	100-1000 µl	20-2000 µl	100-10000 µl	20-20000 µl	100-100000 µl	1000-500000 µl	2000-1000000 µl
P11001	P11050	0.1 - 10 µl	✓		✓		✓	✓				✓	✓
P11002	P11051	0.1 - 10 µl	✓		✓		✓	✓				✓	✓
P11003	P11052	1 - 20 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P11026	P11066	1 - 50 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P11004	P11053	1 - 100 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P11005	P11054	1 - 200 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P11006	P11055	1 - 300 µl	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
P11007	P11056	100 - 1000 µl		✓		✓				✓	✓		

Pipettor Brand / Make			Biohit eLine (Single Channel)	Biohit eLine (Multi Channel)	Biohit m- Line® (Single channel)	Biohit m-Line® (Multi Channel)	Biohit Proline (Single Channel)	Biohit Proline (Multi Channel)	Biohit ePet (Single Channel)				
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.2-10µl	5-120µl	10-300µl	50-1000µl	0.2-10µl	5-120µl	10-300µl	0.5-10µl	5-100µl	10-1000µl	0.2-10µl
P11001	P11050	0.1 - 10 µl	✓		✓		✓		✓			✓	✓
P11002	P11051	0.1 - 10 µl	✓		✓		✓		✓			✓	✓
P11003	P11052	1 - 20 µl		✓				✓	✓	✓	✓	✓	✓
P11026	P11066	1 - 50 µl		✓				✓	✓	✓	✓	✓	✓
P11004	P11053	1 - 100 µl		✓				✓	✓	✓	✓	✓	✓
P11005	P11054	1 - 200 µl		✓				✓	✓	✓	✓	✓	✓
P11006	P11055	1 - 300 µl	✓	✓			✓	✓	✓	✓	✓	✓	✓
P11007	P11056	100 - 1000 µl			✓			✓				✓	

Pipettor Brand/ Make			Brand Transferpette								Brand Electronics													
			Single Channel				Multi Channel				Single Channel			Multi Channel										
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-1µl	0.5-10µl	2-20µl	ULTRAMICRO®	2-20µl	5-50µl	10-100µl	20-200µl	25-250µl	100-1000µl	0.5-10µl	2-20µl	2.5-25µl	5-50µl	10-100µl	20-200µl	30-300µl	100-1000µl	0.5-10µl	5-100µl	10-200µl	15-300µl
P11001	P11050	0.1 - 10 µl	✓										✓										✓	
P11002	P11051	0.1 - 10 µl	✓										✓										✓	
P11003	P11052	1 - 20 µl				✓	✓	✓								✓	✓	✓					✓	✓
P11026	P11066	1 - 50 µl				✓	✓	✓								✓	✓	✓					✓	✓
P11004	P11053	1 - 100 µl				✓	✓	✓								✓	✓	✓					✓	✓
P11005	P11054	1 - 200 µl				✓	✓	✓								✓	✓	✓					✓	✓
P11006	P11055	1 - 300 µl				✓	✓	✓	✓							✓	✓	✓	✓				✓	✓
P11007	P11056	100 - 1000 µl							✓													✓		

Pipettor Brand/ Make			Brand Transferpette S								Capp Aero			Gilson Pipetman			Gilson Pipetman Ultra									
			Single Channel				Multi Channel				Single Channel /Multi Channel		Single Channel		Multi Channel											
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-1µl	0.5-10µl	2-20µl	ULTRAMICRO®	10-100µl	20-200µl	100-1000µl	0.5-10µl	10-100µl	20-200µl	100-1000µl	0.5-10µl	2-20µl	2.5-25µl	5-50µl	10-100µl	20-200µl	30-300µl	100-1000µl	0.5-10µl	5-100µl	10-200µl	20-300µl	
P11001	P11050	0.1 - 10 µl	✓				✓				✓	✓										✓	✓			
P11002	P11051	0.1 - 10 µl	✓				✓				✓	✓										✓	✓			
P11003	P11052	1 - 20 µl			✓	✓			✓	✓						✓	✓						✓	✓		
P11026	P11066	1 - 50 µl			✓	✓			✓	✓						✓	✓						✓	✓		
P11004	P11053	1 - 100 µl			✓	✓			✓	✓						✓	✓						✓	✓		
P11005	P11054	1 - 200 µl			✓	✓			✓	✓						✓	✓						✓	✓		
P11006	P11055	1 - 300 µl			✓	✓			✓	✓	✓					✓	✓	✓					✓	✓	✓	
P11007	P11056	100 - 1000 µl					✓											✓						✓		

Pipettor Brand/ Make			Gilson Pipetman Ultra						Gilson Concept			Gilson Concept			Gilson Neo									
			Single Channel				Single Channel		Multi Channel		Single Channel		Multi Channel											
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.2-2µl	1-10µl	2-20µl	20-100µl	20-200µl	200-1000µl	0.5-10µl	5-100µl	20-300µl	1-10µl	10-100µl	30-300µl	0.2-2µl	1-10µl	2-20µl	20-100µl	50-200µl	200-1000µl	1-20µl	1-100µl	20-100µl	100-1000µl
P11001	P11050	0.1 - 10 µl	✓						✓				✓									✓		
P11002	P11051	0.1 - 10 µl	✓						✓				✓									✓		
P11003	P11052	1 - 20 µl			✓	✓							✓										✓	
P11026	P11066	1 - 50 µl			✓	✓							✓										✓	
P11004	P11053	1 - 100 µl			✓	✓							✓										✓	
P11005	P11054	1 - 200 µl			✓	✓							✓										✓	
P11006	P11055	1 - 300 µl			✓	✓							✓	✓			✓	✓					✓	
P11007	P11056	100 - 1000 µl							✓															✓

Pipettor Brand/ Make			Vistalab Ovation QS				Vistalab Ovation M				Vistalab Ovation E				Eppendorf Reference			Eppendorf Electronic										
			Single Channel				Single Channel				Multi Channel				Single Channel													
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.2-2µL	1-10µL	2-20µL	10-100µL	20-200µL	100-1000µL	0.2-2µL	1-10µL	2-20µL	10-100µL	20-200µL	100-1000µL	0.5-20µL	5-200µL	2-125µL	25-1250µL	0.1-10µL	'0.1-10µL 'ULTRAMICRO'	2-20µL	10-100µL	20-200µL	100-1000µL	0.5-10µL	5-100µL	2-200µL	50-1000µL
P11001	P11050	0.1 - 10 µL	✓	✓	✓				✓	✓	✓				✓				✓		✓							
P11002	P11051	0.1 - 10 µL	✓	✓	✓				✓	✓	✓				✓				✓		✓							
P11003	P11052	1 - 20 µL			✓	✓					✓	✓			✓	✓						✓	✓		✓	✓		
P11026	P11066	1 - 50 µL			✓	✓					✓	✓			✓	✓						✓	✓		✓	✓		
P11004	P11053	1 - 100 µL			✓	✓					✓	✓			✓	✓						✓	✓		✓	✓		
P11005	P11054	1 - 200 µL			✓	✓					✓	✓			✓	✓						✓	✓		✓	✓		
P11006	P11055	1 - 300 µL			✓	✓					✓	✓			✓	✓						✓	✓		✓	✓		
P11007	P11056	100 - 1000 µL					✓					✓			✓			✓				✓					✓	

Pipettor Brand/ Make			Eppendorf Research				Eppendorf				Thermo Finnpipette				Thermo Finnpipette		Matrix Impact/Impact2									
			Single Channel				Multi Channel				Single Channel				Multi Channel		s/mc									
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-2.5µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	0.5-10µl	5-100µl	50-100µl	0-300µl	30-300µl	50-1200µl	0.2-10µl	0.5-10µl	5-40µl	40-200µl	100-1000µl	200-1000µl	0.1-10µl	10-100µl	30-300µl	2-125µl	2-20µl	15-1250µl
P11001	P11050	0.1 - 10 µl	✓	✓					✓						✓	✓					✓					
P11002	P11051	0.1 - 10 µl	✓	✓					✓						✓	✓					✓					
P11003	P11052	1 - 20 µl			✓	✓			✓	✓								✓				✓	✓			
P11006	P11066	1 - 50 µl			✓	✓			✓	✓								✓				✓	✓			
P11004	P11053	1 - 100 µl			✓	✓			✓	✓								✓				✓	✓			
P11005	P11054	1 - 200 µl			✓	✓			✓	✓								✓				✓	✓			
P11006	P11055	1 - 300 µl			✓	✓			✓	✓	✓	✓						✓				✓	✓	✓		
P11007	P11056	100 - 1000 µl					✓							✓*							✓	✓				

Pipettor Brand/ Make			Labnet Labpette				Labnet Labpette		Labnet BioPette E				Nichiryo /Oxford Benchmate													
			Single Channel				Multi Channel		Single Channel		Multi Channel		Single Channel & Multi Channel													
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-2µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	1-10µl	5-50µl	20-200µl	50-300µl	0.5-10µl	2-20µl	10-200µl	100-1000µl	0.5-10µl	2-20µl	10-200µl	100-1000µl	0.5-10µl	2-20µl	10-50µl	10-100µl	20-200µl	100-1000µl
P11001	P11050	0.1 - 10 µl	✓	✓					✓				✓				✓				✓					
P11002	P11051	0.1 - 10 µl	✓	✓					✓				✓				✓				✓					
P11003	P11052	1 - 20 µl			✓	✓				✓				✓			✓				✓			✓	✓	
P11026	P11066	1 - 50 µl			✓	✓				✓				✓			✓			✓			✓	✓		
P11004	P11053	1 - 100 µl			✓	✓				✓				✓			✓			✓			✓	✓		
P11005	P11054	1 - 200 µl			✓	✓				✓				✓			✓			✓			✓	✓		
P11006	P11055	1 - 300 µl			✓	✓				✓	✓			✓			✓			✓			✓	✓		
P11007	P11056	100 - 1000 µl					✓								✓			✓			✓					✓

Pipettor Brand/ Make			Socorex Calibra/Accura								Axygen Axypet																	
			Single Channel				Multi Channel				Single Channel				Multi Channel													
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	0.1-20µl	0.2-20µl	0.5-10µl	1-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	1-10µl	5-50µl	10-100µl	20-200µl	50-200µl	0.1-2µl	0.5-10µl	2-20µl	5-50µl	10-100µl	20-200µl	50-250µl	100-1000µl	1-10µl	5-50µl	20-200µl	50-300µl	
P11001	P11050	0.1 - 10 µl			✓	✓					✓														✓			
P11002	P11051	0.1 - 10 µl			✓	✓					✓														✓			
P11003	P11052	1 - 20 µl					✓	✓			✓	✓	✓	✓						✓	✓	✓				✓	✓	✓
P11026	P11066	1 - 50 µl					✓	✓			✓	✓	✓	✓						✓	✓	✓				✓	✓	✓
P11004	P11053	1 - 100 µl					✓	✓			✓	✓	✓	✓						✓	✓	✓				✓	✓	✓
P11005	P11054	1 - 200 µl					✓	✓			✓	✓	✓	✓						✓	✓	✓				✓	✓	✓
P11006	P11055	1 - 300 µl					✓	✓			✓	✓	✓	✓						✓	✓	✓	✓			✓	✓	✓
P11007	P11056	100 - 1000 µl							✓																✓			

Pipettor Brand/ Make		BRAND		Eppendorf		Biohit Proline plus		Gilson		Thermo		Abdos	
Abdos Code for Filter Pipette Tips	Volume	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml
P11017	1 - 5 ml			✓		✓		✓		✓			✓
P11018	1 - 10 ml			✓		✓		✓		✓			✓

Pipettor Brand/ Make			Abdos premium	Abdos premium Plus	ABDOS D. Pipette [Electronic]	Brand Transferpette S	Gilson Pipetman	Eppendorf Research
			Single channel				Single channel	
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	100-1000µl	100-1000µl	100-1000µl	100-1000µl	100-1000µl	100-1000µl
P11015	P11057	100 - 1000 µl	✓	✓	✓	✓	✓	✓
P11016	P11058	100 - 1250 µl	✓	✓	✓	✓	✓	✓

Pipettor Brand/ Make			THERMO (Electronic) Finnpipette	Thermo Finnpipette F3	Nichiryo NICHIPET EX	SOCOREX ACURA 825	BIOHIT Proline	ErgoOne Star Lab
			Multi channel				Single channel	
Abdos Code for Filter Pipette Tips	Abdos Code for Last Drop Filter Pipette Tips	Volume	100-1200µl	100-1000µl	100-1000µl	100-1000µl	100-1000µl	100-1000µl
P11015	P11057	100 - 1000 µl	✓	✓	✓	✓	✓	✓
P11016	P11058	100 - 1250 µl	✓	✓	✓	✓	✓	✓

Pipettor Brand/ Make			BRAND		Eppendorf		Biohit Proline plus		Gilson		Thermo		Abdos	
Abdos Code for Filter Pipette Tips	Volume	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml	1-10ml	1-5ml
P10170	1 - 5 ml		✓		✓		✓		✓		✓		✓	
P10171	1 - 10 ml		✓		✓		✓		✓		✓		✓	

Note: Variants of all tips are compatible with the pipette's brand mentioned in the above list.

Eg . Type : Tips - Bulk in Resealable Bags

Variants : Pipette Tips, (P10115 , P10137 , P10129 , P10130 , P10101 , P10105 , P10138 , P10102 , P10106 , P10174 , P10175)

Last Drop™ Low Retention Pipette Tips (P10001 , P10002 , P10003 , P10004 , P10005 , P10006)

Filter Pipette Tips (P11001 , P11002 , P11003 , P11004 , P11005 , P11006 , P11007 , P11015 , P11016)

Last Drop™ Low Retention Filter Pipette Tips (P11050 , P11051 , P11052 , P11053 , P11054 , P11055 , P11056)

Followed with other variants & Types: Tips - Individually wrapped, Racked, Racked Sterile & Refill pack.

- Stepmate Stepper is ideal for routine or research applications in diagnostics, molecular biology, environmental analysis and more.
- Stepmate stepper works on positive displacement pressure and offers highest precision dispensing of liquid media with high viscosity, high density and high vapour pressure.
- It provides up to 48 dispensing steps and improves work efficiently.
- It is lightweight and ergonomic.
- It can be used with one hand and is maintenance free.
- Factory fitted calibration.



Stepmate Stepper			
Code	Capacity	No./case	Price/case (₹)
E11171	0.5 - 50 ml	1	24897

Syringes				
Code	Capacity	Colour	No./case	Price/case (₹)
E11172D	0.5ml	Natural	100	17607
E11173D	1.25ml	Natural	100	17607
E11174D	2.5ml	Natural	100	17607
E11175D	5ml	Natural	100	17607
E11176D	12.5ml	Natural	100	17607
E11177D	25ml	Natural	25	21176
E11178D	50ml	Natural	25	21176
E11179D	25ml Adaptor	Red	1	1190
E11180D	50ml Adaptor	Grey	1	1190
E11181D	0.5ml Sterile	Natural	100	18915
E11182D	1.25ml Sterile	Natural	100	18915
E11183D	2.5ml Sterile	Natural	100	18915
E11184D	5ml Sterile	Natural	100	18915
E11185D	12.5ml Sterile	Natural	100	18915
E11186D	25ml Sterile	Natural	25	22484
E11187D	50ml Sterile	Natural	25	22484

* The first and last dispensing liquid should be discarded for precision.

Dial Setting	01	02	03	04	05
Number of Steps	48	23	15	11	08

Syringe Volume	Test Volume (μl)					A%	P%
0.50 ml	10	20	30	40	50	± 0.8	<= 0.7
1.25 ml	25	50	75	100	125	± 0.8	<= 0.5
2.50 ml	50	100	150	200	250	± 0.8	<= 0.4
5.00 ml	100	200	300	400	500	± 0.4	<= 0.3
12.50 ml	250	500	750	1000	1250	± 0.3	<= 0.3
25.00 ml	500	1000	1500	2000	2500	± 0.2	<= 0.3
50.00 ml	1000	2000	3000	4000	5000	± 0.2	<= 0.2



67

SUPREME BOTTLE TOP DISPENSER

- Supreme is a robust and reliable basic bottle top dispenser designed through years of research.
- Supreme has a smooth and soft plunger for easy working in difficult laboratory conditions.
- Fully AutoClavable.

SPECIFICATIONS :

Piston	PTFE & ETP
Cylinder	Borosilicate Glass
Volume Adjustment Knob	PP, 180°, Rotation
Value Housing	PFA
Value Assembly	Borosilicate Glass Ball & Seat
Discharge Assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually Calibrated and Certified
Accuracy & Reproducibility	According to ISO 8655 Standards
Compatibility	Excellent with all reagents except HF



68

SUPREME PLUS BOTTLE TOP DISPENSER

- Supreme plus is the most advanced, next generation, highly robust and reliable bottle top dispenser designed through years of research.
- Supreme duet has a recirculation valve for redirecting the liquid into the bottle for bubble free dispensing without any loss of reagent.
- Supreme duet has a smooth and soft plunger for easy working in difficult laboratory conditions.
- Fully AutoClavable.

SPECIFICATIONS :

Piston	PTFE & ETP
Cylinder	Borosilicate Glass
Volume Adjustment Knob	PP, 180° Rotation
Value Housing	PFA
Re-Circulation Value Housing	PFA
Value Assembly	Borosilicate Glass Ball & Seat
Discharge Assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually Calibrated and Certified
Accuracy & Reproducibility	According to ISO 8655 Standards
Compatibility	Excellent with all reagents except HF



Code	Capacity	Increment	Accuracy		CV		No./case	Price/case (₹)
EII711	0.25 - 2.5 ml	0.05 ml	± 0.6 %	± 0.015 ml	± 0.2 %	± 0.005 ml	1	20607
EII712	0.50 - 5 ml	0.1 ml	± 0.6 %	± 0.030 ml	± 0.2 %	± 0.010 ml	1	20607
EII713	1 - 10 ml	0.2 ml	± 0.6 %	± 0.060 ml	± 0.2 %	± 0.020 ml	1	20607
EII714	2.5 - 30 ml	0.5 ml	± 0.6 %	± 0.180 ml	± 0.2 %	± 0.060 ml	1	28902
EII715	5 - 60 ml	1 ml	± 0.6 %	± 0.360 ml	± 0.2 %	± 0.120 ml	1	28902
EII716	10 - 100 ml	2 ml	± 0.6 %	± 0.600 ml	± 0.2 %	± 0.200 ml	1	34389

- Supreme duet is the most advanced, next generation, highly robust and reliable bottle top dispenser designed through years of research.
- Supreme duet has a recirculation valve for redirecting the liquid into the bottle and rinsing the instrument without dismounting from the bottle.
- Supreme duet with a worldwide patent can be used in 4 modes: dilution, rinsing, dual liquid handling and re-circulation all in a single unit.
- Supreme duet has a smooth and soft plunger for easy working in difficult laboratory conditions.
- Fully Autoclavable.

SPECIFICATIONS :

Piston	PTFE & ETP
Cylinder	Borosilicate Glass
Volume Adjustment Knob	PP, 180° Rotation
Value Housing	PFA
Re-Circulation Value Housing	PFA
Value Assembly	Borosilicate Glass Ball & Seat
Discharge Assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually Calibrated and Certified
Accuracy & Reproducibility	According to ISO 8655 Standards
Compatibility	Excellent with all reagents except HF



Code	Capacity	Increment	Accuracy		CV		No./case	Price/case (₹)
E11731	0.25 – 2.5 ml	0.05 ml	± 0.6 %	± 0.015 ml	± 0.2 %	± 0.005 ml	1	37199
E11732	0.50 – 5 ml	0.1 ml	± 0.6 %	± 0.030 ml	± 0.2 %	± 0.010 ml	1	37199
E11733	1 – 10 ml	0.2 ml	± 0.6 %	± 0.060 ml	± 0.2 %	± 0.020 ml	1	37199
E11734	2.5 – 30 ml	0.5 ml	± 0.6 %	± 0.180 ml	± 0.2 %	± 0.060 ml	1	50245
E11735	5 – 60 ml	1 ml	± 0.6 %	± 0.360 ml	± 0.2 %	± 0.120 ml	1	51115
E11736	10 – 100 ml	2 ml	± 0.6 %	± 0.600 ml	± 0.2 %	± 0.200 ml	1	70517



Organization: IRL STDC

“ Great recommended ”

Ease of Use ★★★★★

Average Rating 5.0

After Sales Service ★★★★★

Application Area: For dispensing reagents

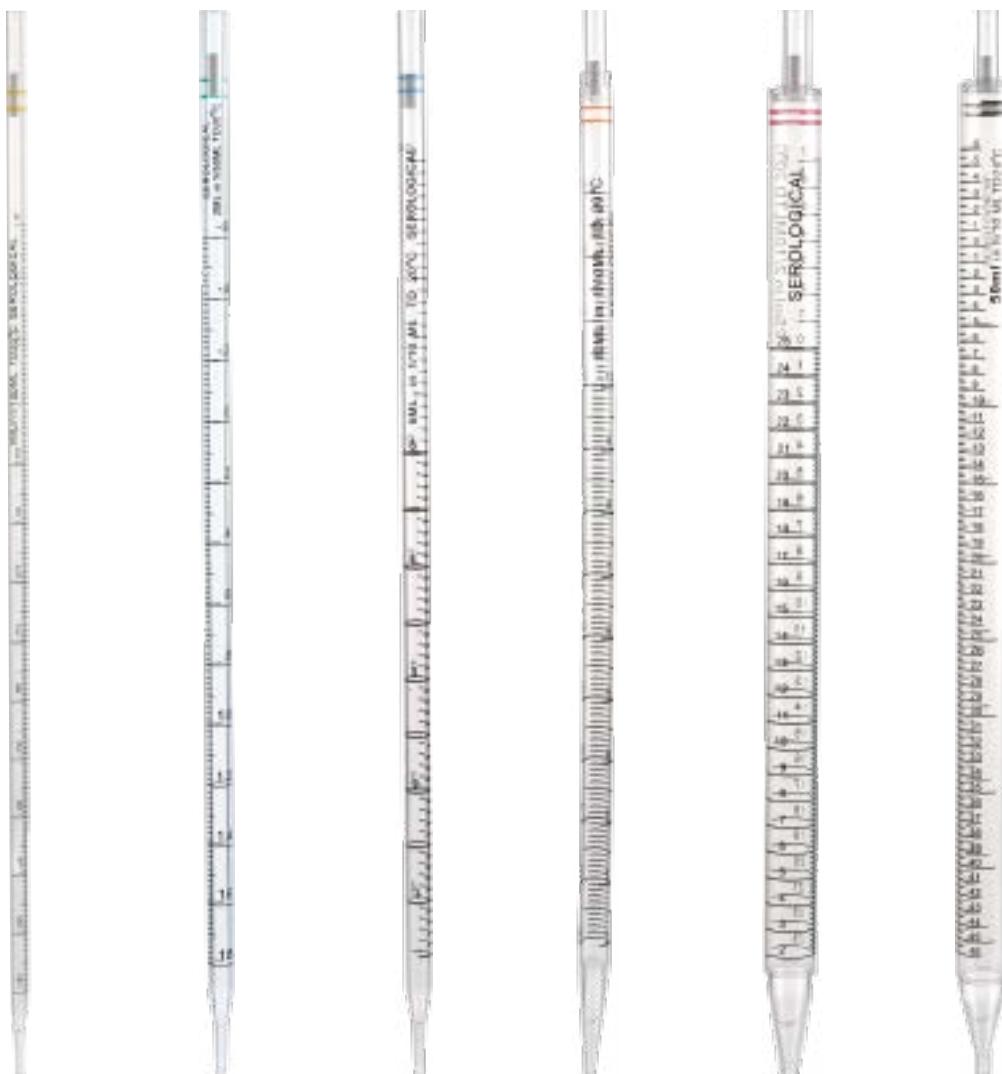
Value for Money ★★★★★

We are using it to dispense reagents and media and yes i can ensure you it works great

Review Date: 5 Jul 2023 | Abdos



- ABDOS serological pipettes are designed for accurate and rapid fluid dispensing.
- ABDOS sterile serological pipettes are pyrogen free and PE filter plugged for a variety of liquid handling applications. The sharp, black, highly legible permanent graduations prevent ambiguity and guarantee precise reading and accurate dispensing to $\pm 2\%$.
- Made of transparent medical grade polystyrene.
- ABDOS serological pipettes are tested for endotoxins (0.005 EU/ml), cytotoxicity (ISO 10993-5) and are guaranteed non-haemolytic.
- Ideal in Cell culture & tissue culture applications.
- The reverse graduations of ABDOS disposable serological pipettes show volume removed or remaining on all pipettes larger than 1mL. Moreover, the generous negative graduations provide additional pipetting volume.
- ABDOS sterile serological pipettes have an effective filter barrier to prevent overflow of liquid into pipette. Designed to fit with available motorized pipette controllers.



Code	PI0601	PI0607	PI0602	PI0608	PI0603	PI0609	PI0604	PI0610	PI0605	PI0611	PI0606	PI0612
Capacity	1 ml	1 ml	2 ml	2 ml	5 ml	5 ml	10 ml	10 ml	25 ml	25 ml	50 ml	50 ml
Height	262 mm	262 mm	280 mm	280 mm	333 mm	333 mm	354 mm	354 mm	312 mm	312 mm	360 mm	360 mm
No./Inner pack	Individually wrapped	100 (Non-Sterile)	Individually wrapped	100 (Non-Sterile)	Individually wrapped	25 (Non-Sterile)						
No./case	500	500	400	400	200	200	200	200	200	200	100	100
Price/case (€)	5100	4590	4500	5060	3500	3150	3700	3330	8476	7662	8400	7560

HANDYPETTE PIPETTE AID

- Colour coded by volume with green for 10 ml and red for 25 ml.
- Users can easily insert glass and plastic pipettes into the collar with stable fingers for secure hold.
- Rotating the knurled thumbwheel draws liquid to desired volumes. To release liquid apply light pressure to the fast release lever. For gradual dispensing rotate the thumb wheel.
- Resistant to acids, alkalis.
- Easily disassemble for cleaning.



Code	Capacity	No./case	Price/case (₹)
EII222	2 ml	4	3148
EII218	10 ml	4	3148
EII216	25 ml	4	3461

RUBBER PIPETTE PUMP

- Pump opening is standard to fit almost all glass and plastic pipettes.
- One size can be used for pipetting liquid upto 100 ml.
- The pump has a heavy wall and easy to grip body.



Code	Capacity	No. / pack	Price/case (₹)
EII217	Up to 100 ml	10	3185

RAVE PIPETTE CONTROLLER, PP

- Abdos Rave Pipette Controller is robust, lightweight and its simple to use operations makes it ideal for repetitive pipetting.
- Users can use Volumetric and Serological Pipettes ranging from 0.1 ml to 100 ml.
- Abdos Rave Pipette Controller has autoclavable silicone pipette holder.
- Abdos Rave Pipette Controller is supplied with integral and replaceable 3 um filter.
- The in-line filter prevents contamination.
- Precise Pipetting control is possible in Abdos Rave Pipette Controller.



Rave Pipette Controller			
Code	Product	No./case	Price/case (₹)
EII1113	Rave Pipette Controller	1	4197

Spare Filters			
Code	Product	No./case	Price/case (₹)
EII1119	Spare 3.00 um Filter	1	349

RAVE PIPETTE FILLER

- Abdos Rave Plus Pipette Filler is robust, light-weight and is ergonomically designed to allow longer, fatigue-free pipetting.
- Abdos Rave Plus Pipette Filler is powerful and can fill a 50 ml Pipette in less than 10 seconds. Motor & pump operate quietly with very low vibration.
- Users can use Volumetric and Serological Pipettes ranging from 1 ml to 100 ml.
- Abdos Rave Plus Pipette Filler is supplied with Lithium-ion cell that provides enough battery power to finish the users series.
- Abdos Rave Pipette Controller is supplied with integral and replaceable 0.45 um filter.

SPECIFICATIONS :

Battery	Lithium-Ion Cell
Battery Service Life	More than 8 hours of Intermittent use.
Charging Time	Approx. 2 Hours.
Pipette Types	Glass or Plastic Pipettes (0.1-100ml)
Aspirate Speeds	8
Dispense Speeds	8 Gravity Dispense
Filter	0.45 µm Hydrophobic
Capacity	2000 mA



Rave Pipette Filler

Code	Product	No./case	Price/case (₹)
E11114	Rave Plus Pipette Filler	1	26582
E11120	Rave Eco Pipette Filler	1	20095

E11114



Scan to watch product video.

PIPETTE STAND VERTICAL, PP

- These Polypropylene racks can hold upto 28 glass or plastic pipettes in vertical position.
- The Heavy base has a diameter of 9 inch and polypropylene coated square rod having a length of 15 inches is screwed into the base.
- These racks are available in white colour.
- There are two discs to hold the pipette and give it stability. Both Discs can be moved in upward and downward direction to accommodate various lengths of pipette.
- Can be autoclaved.



Code	Places	D x H	No./case	Price/case (₹)
P70205	28	232 x 381 mm	1	954



PIPETTE STAND HORIZONTAL, PP

- These Polypropylene racks can hold upto 12 glass or plastic pipettes in horizontal position.
- The rack consists of three polypropylene coated metal rods to provide stability and strength to rack.
- Can be Autoclaved.
- These Racks are available in white colour.
- These racks can be easily assembled or disassembled to save space.



Code	Places	No./case	Price/case (₹)
P70204	12	6	1557



PIPETTE STORAGE RACK WITH MAGNET, ABS

- These racks help to protect and organize glass and plastic pipettes.
- Angled four shelved compartments keep 0.1 to 50 mL pipettes or cans within easy reach while preventing damage and clutter.
- These have cut-out viewing window and come with two removable attachments that hold pipette bulbs, fillers, and pumps.
- These unique innovative magnetized racks have strong magnets on both sides and mount securely to most metal surfaces.

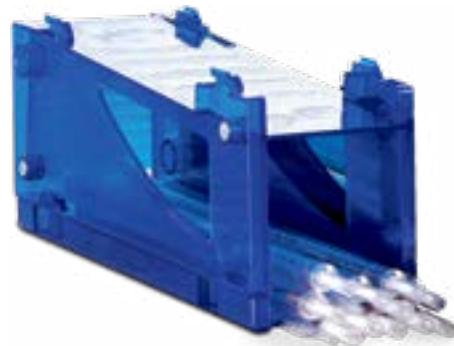
Code	Places	L x W x H	No./case	Price/case (₹)
P70202	Store 1 - 50 ml pipette or cans	291 x 88 x 401 mm	1	5591



PIPETTE STORAGE RACK, ABS

- These racks can be assembled together horizontally or vertically to build the desired configuration, or used as individual holders, using sections.
- Angle shelve design makes these racks compatible to use for storing 0.1 to 50 ml of Serological pipettes.
- Can be used bench-top or can be connected to most metal surfaces.

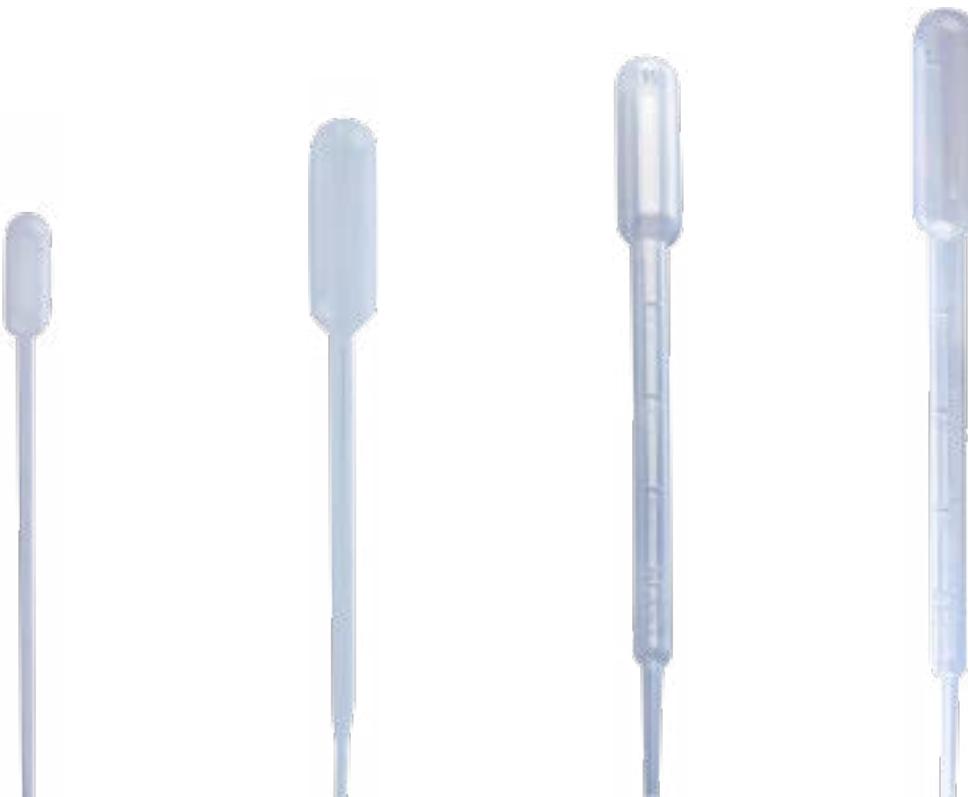
Code	Size (W x H x D)	Compatible	No./case	Price/case (₹)
PI0620	301 x 100 x 127.5 mm	0.1 ml to 50 ml	3	9436



- Excellent chemical stability.
- Suitable for drawing, transferring and blending various volumes of liquid.
- Transparent with clear graduation markings for easy liquid level observation.
- Manufactured in ISO 8 grade clean room.
- No additive contamination.
- Pipettes can be twisted and contorted for use with micro-vessels & oddly shaped containers.
- High precision and good repeatability.
- The individually packed pipettes are sterilized by Gamma radiation.



Individually wrapped Pasteur Pipettes



Code	P31207	P31208	P31201	P31202	P31209	P31210	P31205	P31206
Capacity	0.4 ml	0.4 ml Sterile, Individually wrapped	1.0 ml	1.0 ml Sterile, Individually wrapped	2.0 ml	2.0 ml Sterile, Individually wrapped	3.0 ml	3.0 ml Sterile, Individually wrapped
Height	131 mm	131 mm	154 mm	154 mm	152 mm	152 mm	154 mm	154 mm
No./case	500	500	500	500	500	500	500	500
Price/case (₹)	947	3365	828	3040	832	3190	863	3090
Price/48 Case (₹)	42729	151829	37351	137165	37522	143933	38932	139421



Organization: IRL STDC

“ Good recommended ”

★ ★ ★ ★ ★ Average Rating 5.0

Ease of Use ★ ★ ★ ★ ★

Application Area: To transfer inoculum in media tube

After Sales Service ★ ★ ★ ★ ★

Good holding and pressure, easy to use, and right volume

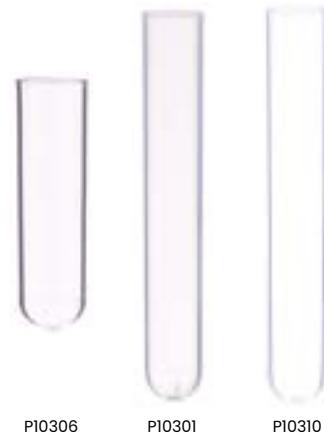
Value for Money ★ ★ ★ ★ ★

Review Date: 12 Jul 2023 | Abdos

- Abdos Ria Vials are polypropylene/polystyrene tubes generally used in Radioimmuno Assay –a scientific method used to test antigens (for sample, hormone levels in the blood) without the need to use a bioassay.
- Abdos Ria Vial PP are clear and can withstand 3000*g RCF during centrifugation while the transparent polystyrene tubes can withstand 1400*g RCF.
- The PP tubes can accept common acids, alkalies & solvents at room temperature while the PS tubes can accept mild bases, weak acids but not organic solvents.
- Amber Ria Vials are used for light sensitive samples.
- Abdos Ria Vials PP are autoclavable while PS tubes are non-autoclavable.



RIA Vial & Plastic Test Tube						
Code	Φ x h	Material	Capacity	No./case	Price/case (₹)	Price/260 Case (₹)
PI0305	12 X 40 mm	PP	2.5 ml	500	391	95450
PI0306	12 X 40 mm	PS	2.5 ml	500	415	101353
PI0301	12 x 75 mm	PP	5 ml	500	523	127877
PI0303	12 x 75 mm	PS	5 ml	500	538	131463
PI0308	13 X 100 mm	PP	8 ml	500	1443	-
PI0309	13 X 100 mm	PS	8 ml	500	1495	-
PI0310	16 X 100 mm	PP	10 ml	500	1793	-
PI0311	16 X 100 mm	PS	10 ml	500	1840	-



RIA Vial Cap & Plastic Test Tube Cap					
Code	Φ	Material	No./case	Price/case (₹)	Price/192 Case (₹)
PI0304	12 mm	HDPE	500	280	50596
PI0307	12 mm	PP	500	335	60425
PI0302	12 mm	LDPE	500	335	60425
PI0312	13 mm	HDPE	1000	1397	-
PI0313	16 mm	HDPE	1000	1778	-



Amber RIA Vial					
Code	Φ x h	Material	Capacity	No./case	Price/case (₹)
PI0305A	12 x 40 mm	PP Amber	2.5 ml	500	489
PI0305A1	12 x 40 mm	PP Transparent Amber	2.5 ml	500	489
PI0301A	12 x 75 mm	PP Amber	5 ml	500	636
PI0301A1	12 x 75 mm	PP Transparent Amber	5 ml	500	636



Amber RIA Vial Cap, HDPE				
Code	Φ	Material	No./case	Price/case (₹)
PI0304A	12 mm	HDPE Amber	500	346
PI0304A1	12 mm	HDPE Transparent Amber	500	349



- Ultra clear polypropylene container with polyethylene leak proof screw cap.
- Frosted portion for easy writing.
- Clear and easy to read graduations.
- Sterile container is individually packed in polyethylene pouch.
- Clean room ISO class 8.
- 120 ml containers are also available in stacked sleeves.



Code	Capacity	Colours	Subdivision	Height	No./case	Price/Piece(₹)	Price/case(₹)
P40I01	60ml	Blue, Red, White & Yellow	10ml	55mm	400	7.48	2993
P40II7	60ml with Label	Blue, Red, White & Yellow	10ml	55mm	400	8.00	3200
P40I2I	60ml Sample Container for Stool with Spoon & Label	White Container With Amber Cap	10ml	55mm	400	8.08	3232
P40I02	60ml Sterile, Individually Wrapped	Blue, Red, White & Yellow	10ml	55mm	350	9.77	3420
P40II4	60ml with Label, Sterile, Individually Wrapped	Blue, Red, White & Yellow	10ml	55mm	350	10.29	3602
P40I20	60ml Sample Container for Stool with Spoon & Label, Sterile, Individually Wrapped	White Container With Amber Cap	10ml	55mm	350	10.39	3638
P40I05	60ml with Spoon	Blue, Red, White & Yellow	10ml	55mm	400	9.15	3661
P40I06	60ml with Spoon, Sterile, Individually Wrapped	Blue, Red, White & Yellow	10ml	55mm	350	12.30	4305
P40I03	120ml	Blue, Red, White & Yellow	20ml	76mm	200	10.07	2014
P40II8	120ml with Label	Blue, Red, White & Yellow	20ml	76mm	200	10.67	2134
P40I04	120ml, Sterile, Individually Wrapped	Blue, Red, White & Yellow	20ml	76mm	200	11.19	2237
P40II5	120ml with Label, Sterile, Individually Wrapped	Blue, Red, White & Yellow	20ml	76mm	200	11.79	2358
P40I07	120ml, Stackable Sleeve of 25	Blue, Red, White & Yellow	20ml	76mm	500	8.72	4360
P40II2	200ml	Blue, Red, White & Yellow	20ml	120mm	150	23.32	3603
P40I13	200ml, Sterile Individually Wrapped	Blue, Red, White & Yellow	20ml	120mm	100	25.40	2616
P40II6	200ml with Label, Sterile, Individually Wrapped	Blue, Red, White & Yellow	20ml	120mm	100	26.00	2678
P40I19	200ml with Label	Blue, Red, White & Yellow	20ml	120mm	150	23.92	3696

Add Colour Code of your choice: BLUE (B), RED (R), WHITE (W) and YELLOW (Y)

VALUE ADDITIONS
All Abdos Sample Containers can withstand up to 95 kPa of pressure, best suitable for vacuum transportation lift for samples at Hospitals.



- The Unique Grip screw cap provides a secure grip in wet conditions.
- Moulded ring provides stability and confirms complete closure of the cap while ensuring 100% leak proof.
- Sterile containers are individually wrapped and has been validated according to ISO 11137 for SAL 10⁻⁶
- Engraved graduation marks and frosted surface for Name, No. and date provides better visibility on volume and traceability of the samples.
- Highly Transparent for easy visualization of samples.

An IVD CERTIFIED PRODUCTS best recommended for diagnostics with a leakproof screw cap, principally important when transporting hazardous material. Ideal for transport and storage of urine, sputum and most liquids or particulate samples.

Samples containers shatter resistant Manufactured from ultra-pure USP-VI Virgin Polypropylene (PP) and Comply with the requirement of 21 CFR 177.1520.

Containers are Manufactured inside the controlled, validated Clean Room ISO Class 8 by high-end Injection Moulding using high precision moulds which ensure smooth and symmetrical End product.



- Durable racks for transport or sample handling.
- Suitable for various shaped (round, conical, flat bottom) tubes & bottles.
- Superior chemical resistance.
- Holds bottle and vessels up to 58 mm in diameter.
- Slotted Bottom has mesh that gives support.



Code	Tube Diameter	Places	L x W x H	No./case	Price/case(₹)
P40III	55 mm	24 (6 x 4 Array)	393 x 262 x 50 mm	1	4652



Quality is not an act.
It is a habit

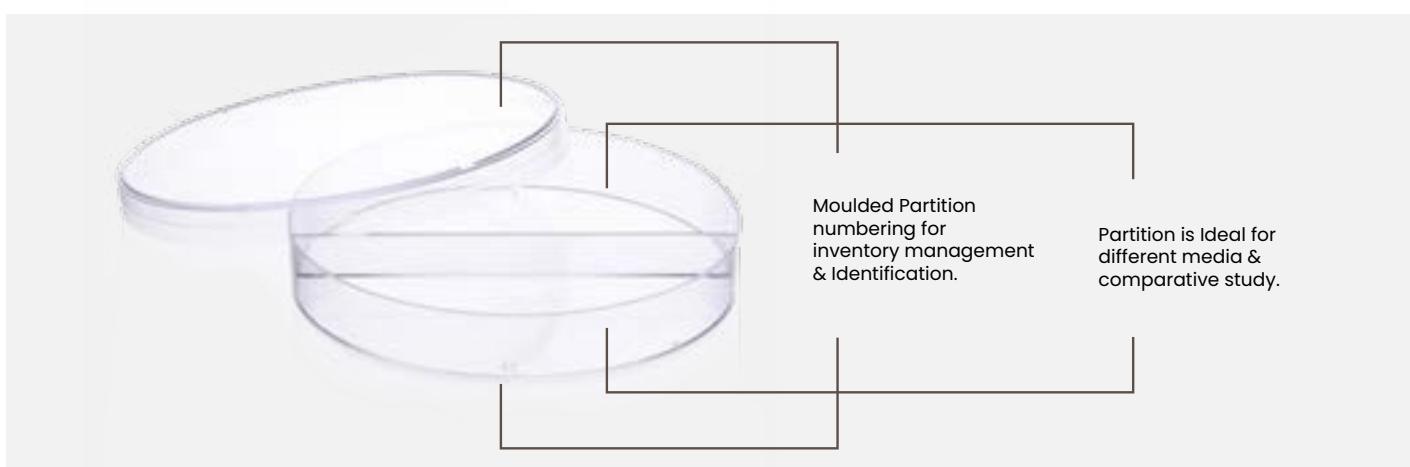
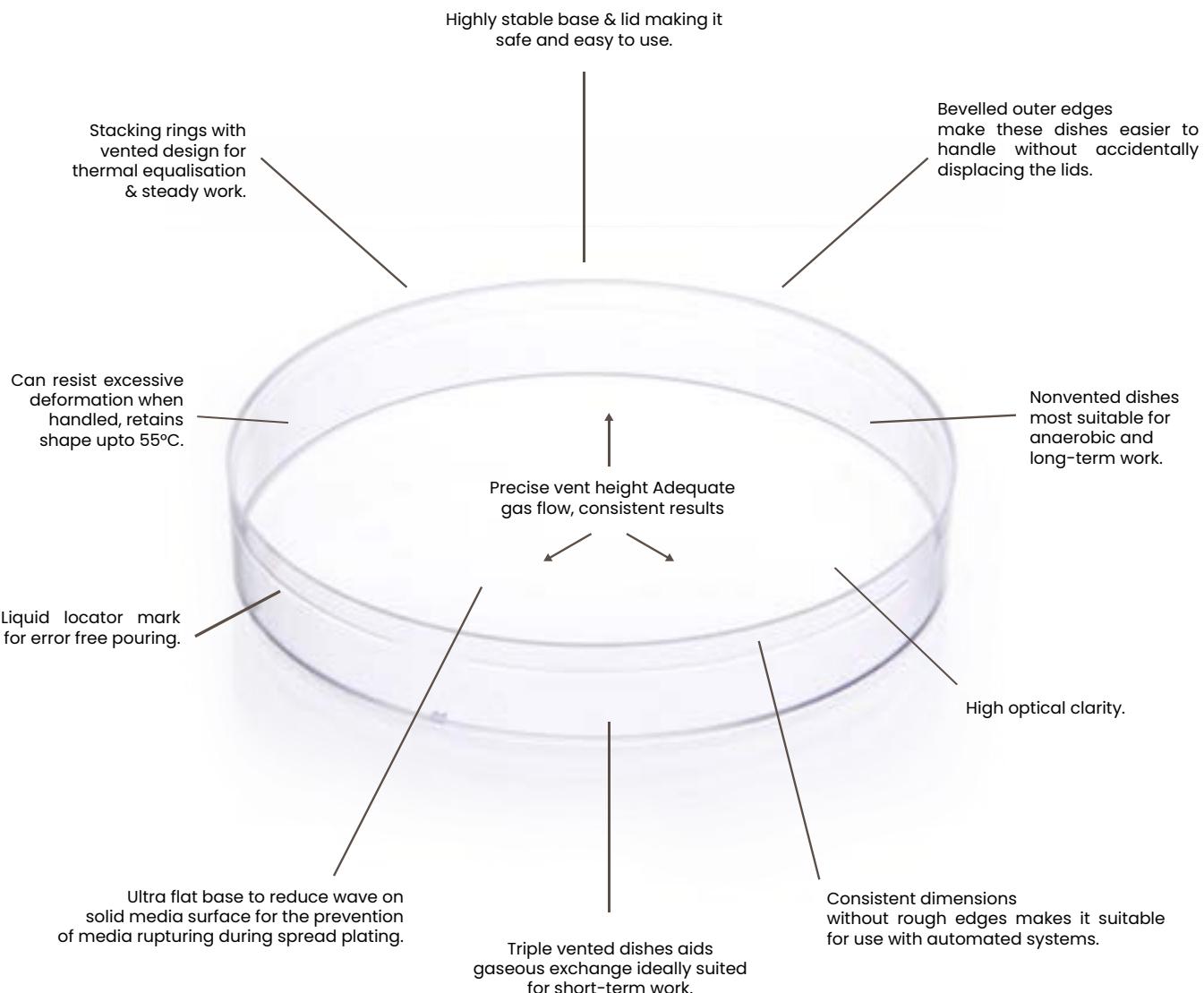
04

Microbiology

Petri Dish (PS): 60, 90 &140 mm
Contact Plates
Duo Loops
Soft Inoculation Loops
Cell Spreaders
Equipments & More



Petri Dish Features



Scan to watch product video.

- Abdos high quality disposable Petri Dishes are suitable for all microbiological applications manufactured as per ISO 24998 'Plastics laboratory ware — Single-use'.
- Robust dimensional accuracy of 90 mm ensures compatibility with most automated systems.
- Extremely high optical clarity for easy view on microscope.
- Vented Dishes have elevated lid that allows for superior gas exchange and evaporation.
- Non-Vented Dishes have flat lid that prevents evaporation, encouraging long incubation period & anaerobic application.
- Shallow dish design allows for maximum use of incubator space.
- Easy to stack.
- Abdos Petri Dishes retain their shape upto 55°C.
- Aseptic Dishes are manufactured in clean room under controlled low bio-burden conditions for best performance in all applications.
- Abdos Petri Dishes are also available in two & three compartments that enable parallel testing of single sample using different agar, solvents and reagents.
- Sterile Plates have been validated according to ISO 11137 for SAL 10⁻⁶



Petri Dish - Aseptic, PS								
Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)	Price/20 case (₹)
PI0931	60 mm	14.20 mm	No	0 Vent	Sleeve of 20	480	3598	67642
PI0932	60 mm	14.20 mm	No	3 Vent	Sleeve of 20	480	3598	67642
PI0901	90 mm	15.80 mm	No	3 Vent	Sleeve of 20	480	3727	70068
PI0902	90 mm	15.80 mm	No	3 Vent	Individual Wrapped	380	3313	62284
PI0903	90 mm	15.80 mm	No	0 Vent	Sleeve of 20	480	3727	70068
PI0904	90 mm	15.80 mm	No	0 Vent	Individual Wrapped	380	3313	62284
PI0933	140 mm	17.50 mm	No	0 Vent	Sleeve of 5	180	6512	122426
PI0934	140 mm	17.50 mm	No	3 Vent	Sleeve of 5	180	6512	122426

Petri Dish - Gamma Radiated Sterile, PS								
Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)	Price/20 case (₹)
PI0935	60 mm	14.20 mm	No	0 Vent	Sleeve of 20	480	3900	73320
PI0936	60 mm	14.20 mm	No	3 Vent	Sleeve of 20	480	3900	73320
PI0905	90 mm	15.80 mm	No	3 Vent	Sleeve of 20	480	4134	77719
PI0906	90 mm	15.80 mm	No	3 Vent	Sleeve of 10	480	4229	79505
PI0907	90 mm	15.80 mm	No	3 Vent	Individual Wrapped	380	3747	70444
PI0908	90 mm	15.80 mm	No	0 Vent	Sleeve of 20	480	4134	77719
PI0909	90 mm	15.80 mm	No	0 Vent	Sleeve of 10	480	4248	79862
PI0910	90 mm	15.80 mm	No	0 Vent	Individual Wrapped	380	3747	70444
PI0937	140 mm	17.50 mm	No	0 Vent	Sleeve of 5	180	6866	129081
PI0938	140 mm	17.50 mm	No	3 Vent	Sleeve of 5	180	6866	129081

Petri Dish - Gamma Radiated Sterile, Double Wrapped, PS								
Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)	
PI0928	90 mm	15.80 mm	No	0 Vent	Sleeve of 18	432	4244	
PI0927	90 mm	15.80 mm	No	0 Vent	Sleeve of 8	384	3977	
PI0939	90 mm	15.80 mm	No	3 Vent	Sleeve of 18	432	4244	
PI0940	90 mm	15.80 mm	No	3 Vent	Sleeve of 8	384	3977	

Petri Dish - Gamma Radiated Sterile, Triple Wrapped, PS

Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)
PI0941	90 mm	15.80 mm	No	0 Vent	Sleeve of 8	320	3760
PI0942	90 mm	15.80 mm	No	0 Vent	Sleeve of 18	432	4471
PI0943	90 mm	15.80 mm	No	3 Vent	Sleeve of 8	320	3760
PI0944	90 mm	15.80 mm	No	3 Vent	Sleeve of 18	432	4471

2 Compartment Petri Dish - Aseptic, PS

Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)
PI0911	90 mm	15.80 mm	2 Compartment	3 Vent	Sleeve of 20	480	4822
PI0912	90 mm	15.80 mm	2 Compartment	3 Vent	Individual Wrapped	380	4293
PI0913	90 mm	15.80 mm	2 Compartment	0 Vent	Sleeve of 20	480	4822
PI0914	90 mm	15.80 mm	2 Compartment	0 Vent	Individual Wrapped	380	4293

2 Compartment Petri Dish - Gamma Radiated Sterile, PS

Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)
PI0915	90 mm	15.80 mm	2 Compartment	3 Vent	Sleeve of 20	480	5332
PI0916	90 mm	15.80 mm	2 Compartment	3 Vent	Individual Wrapped	380	4808
PI0917	90 mm	15.80 mm	2 Compartment	0 Vent	Sleeve of 20	480	5332
PI0918	90 mm	15.80 mm	2 Compartment	0 Vent	Individual Wrapped	380	4808



3 Compartment Petri Dish - Aseptic, PS

Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)
PI0919	90 mm	15.80 mm	3 Compartment	3 Vent	Sleeve of 20	480	6091
PI0920	90 mm	15.80 mm	3 Compartment	3 Vent	Individual Wrapped	380	5224
PI0921	90 mm	15.80 mm	3 Compartment	0 Vent	Sleeve of 20	480	6091
PI0922	90 mm	15.80 mm	3 Compartment	0 Vent	Individual Wrapped	380	5224

3 Compartment Petri Dish - Gamma Radiated Sterile, PS

Code	Diameter	Height	Compartment	Vent	Packing	No./case	Price/case (₹)
PI0923	90 mm	15.80 mm	3 Compartment	3 Vent	Sleeve of 20	480	6733
PI0924	90 mm	15.80 mm	3 Compartment	3 Vent	Individual Wrapped	380	6054
PI0925	90 mm	15.80 mm	3 Compartment	0 Vent	Sleeve of 20	480	6733
PI0926	90 mm	15.80 mm	3 Compartment	0 Vent	Individual Wrapped	380	6054



Trusted By Scientist

Status: Reviewer

Member since: 2022

Organization: IIT Guwahati

Ease of use



After sales service



Value for money



Great product with further recommendation to other people who haven't tried yet.

Rating: 5.0

Application Area: Cell culture experiment

The product is of good quality and easy to use. The dimension and size of the plate fits fine (90 mm) for everyday use in cell culture experiment. The lid and bottom part is perfectly fit and requires less media to carry on your experiment. It is a nice product that has proper air space and has less contamination property. It also produce less fogging which happens due to growing cells in the plate, as compared to other petri dishes, which properly enables us to observe the growing cells clearly under microscope. Thus, considering all the positivity, it is one in all (with good qualities) product item. Thanks to ABDOS.*

- Abdos Contact plates offers the best solutions for surface monitoring for cleanliness of the cleanrooms and laboratories.
- All Abdos contact plates are manufactured under Class 8 cleanroom facility to minimize the risk of contamination and are further sterilized by Gamma irradiation.
- The contact plates are available in Flat and Dome bases and are also available in vent and non-vent variants.
- 10 x 10mm grid base for easy cell counting with 25cm² growth area.
- Tight closure for better handling.
- Available in Gamma Sterile.
- All Abdos Sterile Contact Plates are validated according to ISO 11137 for SAL 10⁻⁶.

STERILE R SAL 10⁻⁶

Contact Plates – Gamma Sterile, PS

Code	Base	Diameter	Height	Vent	Packing	No./Case	Price/Case	Price/20Case
PI0950	Flat	65mm	15mm	3	Sleeve of 10	400	3104	58355
PI0951	Flat	65mm	14.8mm	0	Sleeve of 10	400	3104	58355
PI0952	Dome	65mm	15mm	3	Sleeve of 10	400	3104	58355
PI0953	Dome	65mm	14.8mm	0	Sleeve of 10	400	3104	58355

- Smooth surface provides uniform and gentle streaking without damaging the gel surface.
- Polygonal shaft improves grip, assists orientation and makes operation easy.
- Option to choose from different needle styles.
- Available in individual wrapped pack and zip lock sleeve that eliminates the risk of contamination.
- Sterile loops have been validated according to ISO 11137 for SAL 10⁻⁶



Code	Capacity	Colour	Length	Packing	No./case	Price/case (₹)
PI0977	1µl loop	White	200 mm	Sleeve of 10	500	3057
PI0978	1µl loop	White	200 mm	Individually Wrapped	500	4372
PI0979	10µl loop	Blue	200 mm	Sleeve of 10	500	3057
PI0980	10µl loop	Blue	200 mm	Individually Wrapped	500	4372
PI0985	1µl loop + Incorporated Needle	White	200 mm	Sleeve of 10	500	3057
PI0986	1µl loop + Incorporated Needle	White	200 mm	Individually Wrapped	500	4372
PI0987	10µl loop + Incorporated Needle	Blue	200 mm	Sleeve of 10	500	3057
PI0988	10µl loop + Incorporated Needle	Blue	200 mm	Individually Wrapped	500	4372



“ Handy, clear transparent ”

Organization: NRCE

 Average Rating 5.0

Ease of Use 

Application Area: Bacteriology

After Sales Service 

Petri dish of abdos is handy, transparent, value of money

Value for Money 

Review Date: 16 Jun 2023 | Abdos



86

CALIBRATED SOFT INOCULATION LOOP, HIPS

NEW

- Calibrated inoculation loop confirms the accuracy as per Evans Blue Dye (EBD) Method described by the American Society for Micro Biology.
- Acceptable tolerance $\pm 10\%$.
- Calibration certificate will be provided with each case.



STERILE | R

121°C

SAL 10⁻⁶

Code	Capacity	Colour	Length	Packing	No./case	Price/case (₹)
PII977	1µl loop	White	200 mm	Sleeve of 10	500	3363
PII978	1µl loop	White	200 mm	Individually Wrapped	500	4809
PII979	10µl loop	Blue	200 mm	Sleeve of 10	500	3363
PII980	10µl loop	Blue	200 mm	Individually Wrapped	500	4809
PII985	1µl loop + Incorporated Needle	White	200 mm	Sleeve of 10	500	3363
PII986	1µl loop + Incorporated Needle	White	200 mm	Individually Wrapped	500	4809
PII987	10µl loop + Incorporated Needle	Blue	200 mm	Sleeve of 10	500	3363
PII988	10µl loop + Incorporated Needle	Blue	200 mm	Individually Wrapped	500	4809

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DUO LOOP, HIPS

NEW

- Unique DuoLoop design gives flexibility to use 1µl from one side and 10µl from the other.
- Sterile loops have been validated according to ISO 11137 for SAL 10⁻⁶

STERILE | R

SAL 10⁻⁶

88 CELL SPREADER GAMMA RADIATED STERILE

- Cell spreaders are designed to spread and disperse liquid onto the surface of an agar or any media plate without gouging or cutting the medium.
- Available in Triangular (PP), T-shaped & L-shaped (HIPS).
- Sterile Cell Spreader has been validated according to ISO 11137 for SAL 10⁻⁶



STERILE | R

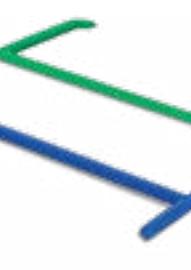
121°C

SAL 10⁻⁶

PI0989



PI0990



PI0991 & PI0992



PI0995

- The simple design can hold and secure glass and plastic petri-dishes.
- This stand makes transport safe and easier.
- Clear racks give the visibility to check culture during incubation.



121°C

Code	Places	Size (L x W x H)	Compatible Petridish	No./case	Price/case (₹)
P10970	28	206 x 105 x 250mm	90mm	1	2334



- ABDOS Swirlex - Handheld Homogenizer is a powerful handheld homogenizer designed to rapidly homogenize, disperse and disintegrate biological samples in 10-30 seconds with adjustable speed ranging from 8,000 rpm up to 32,000 rpm.
- The homogenizer is ideal to use with samples from 0.1ml to 250ml with three types of generator probes available for different sample volume range.
- It is lightweight, can be held with one hand and also mounted to a stand for fatigue-free and longer operation. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is generally achieved in a few seconds.
- Autoclavable generator shaft is made up of 316L stainless steel Interchangeable generator probes that are easily disassembled for clean-up.
- Optional H-type stand with adjustable height and angle available for more convenient and lengthier operation.

Swirlex - Hand Held Homogenizer

Code	Product	Volume Range	No./case	Price/case (₹)
E12410	Swirlex-Hand Held Homogenizer with Dispersing shaft Supporting for volume 0.1-50 ml & Support Stand	0.1-50 ml	1	120912
E12420	Swirlex-Digital Hand Held Homogenizer with Dispersing shaft Supporting for volume 1-250 ml & Support Stand	1-250 ml	1	125525

Spare Accessories

Code	Product	Shaft	No./case	Price/case (₹)
E12411	Dispersing Shaft - Length-90mm, process volume- 0.1-50 ml	5 mm	1	61505
E12413	Dispersing Shaft - Length-150mm, process volume-1-250 ml	10 mm	1	67795
E12415	Support Stand	-	1	41935

SPECIFICATIONS :

Voltage	220-240 V
Frequency	50-60 Hz
Motor Type	Universal Motor
Speed range	AC Carbon Brush Motor
Max. Linear Velocity	8000-32000 rpm
Speed Level	6.3m/sec or 14m/sec
Working Volume (ml, H ₂ O)	10 Stage
Maximum Viscosity	0.1-50 ml (5mm Dispersing Shaft-E12411)
Material of Dispersing Shaft	1-250 ml (10mm Dispersing Shaft-E12413)
Weight	5,000 mPas
Dimension (W x D x H)	SS 316L Stainless steel, PTFE
Noise	0.54 kg
Permissible ambient Temperature	45 x 55 x 190 mm
Permissible relative humidity	72 dB
Protection Class	5-40°C
	85%
	IP20





Improving quality
automatically improves results
as well as productivity

05

Cell Culture

Cell Culture: Flasks, Plates & Dishes
Bio Reaction Tubes
Roller Bottles & Media Bottles
Biofill – Filtration System



- Treated Cell culture flasks are made from high-quality virgin polystyrene.
- Options available for Tissue Culture Treated and Non-Treated.
- Treated culture flasks have undergone vacuum plasma treatment to assure uniform growth.
- Flat highly transparent polystyrene surface for distortion-free observation.
- Angled neck for easy access to the corner of the flask.
- Frosted writing area with clear moulded graduation marking.
- Designed with precision for stackable stability.
- Culture flask with breathable vented cap membrane 0.22 um, hydrophobic filter ensures gas exchange without contamination.
- Sterilized by E-beam, Sterile culture flask has been validated according to ISO 11137.



Code	Capacity	Cap Style	Cell Growth Area	Recommended Medium Volume	Tissue Culture Treated	No. / Pack	No./case	Price/case (₹)
P21010	50 ml	Sealed Cap	25 cm ²	5 ml - 7.5 ml	Yes	10	200	11611
P21011	50 ml	Vent Cap	25 cm ²	5 ml - 7.5 ml	Yes	10	200	13231
P21012	250 ml	Sealed Cap	75 cm ²	15 ml - 22.5 ml	Yes	5	100	11341
P21013	250 ml	Vent Cap	75 cm ²	15 ml - 22.5 ml	Yes	5	100	13231
P21014	750 ml	Sealed Cap	175 cm ²	35 ml - 52.5 ml	Yes	5	40	8471
P21015	750 ml	Vent Cap	175 cm ²	35 ml - 52.5 ml	Yes	5	40	9451
P21016	950 ml	Sealed Cap	225 cm ²	45 ml - 67.5 ml	Yes	5	25	10173
P21017	950 ml	Vent Cap	225 cm ²	45 ml - 67.5 ml	Yes	5	25	12634
P22010	50ml	Sealed Cap	25 cm ²	5 ml - 7.5 ml	No	10	200	12424
P22011	50ml	Vent Cap	25 cm ²	5 ml - 7.5 ml	No	10	200	14156
P22012	250ml	Sealed Cap	75 cm ²	15 ml - 22.5 ml	No	5	100	12134
P22013	250ml	Vent Cap	75 cm ²	15 ml - 22.5 ml	No	5	100	14156
P22014	750ml	Sealed Cap	175 cm ²	35 ml - 52.5 ml	No	5	40	8899
P22015	750ml	Vent Cap	175 cm ²	35 ml - 52.5 ml	No	5	40	10112
P22016	950ml	Sealed Cap	225 cm ²	45 ml - 67.5 ml	No	5	25	10855
P22017	950ml	Vent Cap	225 cm ²	45 ml - 67.5 ml	No	5	25	13519



Both vent and plug seal caps are available

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CELL CULTURE PLATES, PS, TREATED AND NON-TREATED

- Abdos Tissue culture treated plates are made from the highest quality virgin polystyrene.
- Plates are designed with a low profile & low evaporation rate ensuring no loss of samples.
- Vital gaps on the bottom corners of each plate eliminate scraping of the microscopic lens.
- Option available for Tissue culture treated and Non-Treated.
- Treated plates have vacuum plasma treatment to ensure uniform growth.
- Easy to peel-open and individually wrapped blister pack.
- Sterilized by E-beam, Sterile plates have been validated according to ISO 11137.



Code	No. of well	Cell Growth Area	Bottom shape	Recommended Medium Volume	Tissue Culture Treated	No./case	Price/case (₹)
P21020	6	9.5 cm ²	Flat	1.90 ml - 2.90 ml	Yes	50	6888
P21021	12	3.6 cm ²	Flat	0.76 ml - 1.14 ml	Yes	50	7233
P21022	24	1.9 cm ²	Flat	0.38 ml - 0.57 ml	Yes	50	7233
P21023	48	0.88 cm ²	Flat	0.19 ml - 0.28 ml	Yes	50	7786
P21024	96	0.32 cm ²	Flat	0.10 ml - 0.20 ml	Yes	100	13460
P21025	96	0.32 cm ²	U	0.10 ml - 0.20 ml	Yes	100	16536
P21026	96	0.32 cm ²	V	0.10 ml - 0.20 ml	Yes	100	16536
P22020	6	9.5 cm ²	Flat	1.90 ml - 2.90 ml	No	50	7370
P22021	12	3.6 cm ²	Flat	0.76 ml - 1.14 ml	No	50	7739
P22022	24	1.9 cm ²	Flat	0.38 ml - 0.57 ml	No	50	7739
P22023	48	0.88 cm ²	Flat	0.19 ml - 0.28 ml	No	50	8332
P22024	96	0.32 cm ²	Flat	0.10 ml - 0.20 ml	No	100	14002
P22025	96	0.32 cm ²	U	0.10 ml - 0.20 ml	No	100	17693
P22026	96	0.32 cm ²	V	0.10 ml - 0.20 ml	No	100	17693



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CELL CULTURE DISH, PS

- Culture dishes are ideal for all types of culturing where microscopic observation is required.
- Dishes have been treated with vacuum plasma to ensure uniform growth.
- Highly Flat clear polystyrene surface for distortion-free observation.
- Sterilized by E-beam, Sterile culture dish has been validated according to ISO 11137.



Code	Diameter	Height	Cell Growth Area	Recommended Medium Volume	No. / Pack	No./case	Price/case (₹)
P21030	35 mm	9 mm	9 cm ²	1.80 ml - 2.70 ml	20	500	8959
P21031	60 mm	12 mm	21 cm ²	4.20 ml - 6.30 ml	20	500	11026
P21032	100 mm	17.7 mm	55 cm ²	11 ml - 16.50 ml	20	300	13093
P21033	150 mm	23.1 mm	152 cm ²	30.40 ml - 45.60 ml	5	100	13747



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CELL SCRAPER, PP/HIPS

- Abdos Cell Scrapers blades are made for HIPS and handle is made of PP.
- Specially designed with free rotating blade to turn as per required direction.
- Sterilized by E-beam, Sterile cell scrapers have been validated according to ISO 11137.



APPLICATION

P21040 - T-25/ T-75 Cell Culture flasks, 60 mm cell culture dish

P21041 - T-75/ T-175/ T-225 Cell Culture flasks, 150 mm cell culture dish

Code	Length	Blade Width	No./case	Price/case (₹)
P21040	220 mm	13 mm	100	10193
P21041	280 mm	20 mm	100	12709



ROLLER BOTTLES, PS

- Roller bottles made from the highest quality Polystyrene suitable for high yield of cell growth and multiplication.
- These bottles are available in 3 volumes of 1000ml, 2000ml, 5000ml with wide cell growth area of 490cm², 850cm², 1900cm² for adhesions and huge growth volume for cell suspension.
- Suitable for all the general instruments and automation used in tissue/ cell culture technique.
- Sterilized by Gamma irradiation, sterile roller bottles have been validated according to ISO 11137.



Code	Capacity	Cap Style	Cell Growth Area	Recommended Medium Volume	Surface treated	No./case	Price/case (₹)
P21060	1000 ml	Sealed	490 cm ²	100 ml - 150 ml	Yes	24	13339
P21061	1000 ml	Vent	490 cm ²	100 ml - 150 ml	Yes	24	14431
P21062	1000 ml	Sealed	490 cm ²	100 ml - 150 ml	No	24	10914
P21063	1000 ml	Vent	490 cm ²	100 ml - 150 ml	No	24	12005
P21064	2000 ml	Sealed	850 cm ²	180 ml - 260 ml	Yes	12	7640
P21065	2000 ml	Vent	850 cm ²	180 ml - 260 ml	Yes	12	8004
P21066	2000 ml	Sealed	850 cm ²	180 ml - 260 ml	No	12	7155
P21067	2000 ml	Vent	850 cm ²	180 ml - 260 ml	No	12	7519
P21068	5000 ml	Sealed	1900 cm ²	300 ml - 400 ml	Yes	12	15000
P21069	5000 ml	Vent	1900 cm ²	300 ml - 400 ml	Yes	12	17000

96 BIO REACTION TUBES, PP

- Bio-Reaction tubes are manufactured with high purity virgin Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber & heavy metal.
- Convenient and economical option for small scale, high density suspension cell culture and are ideal for biological reaction experiments.
- Harvested cells can be directly centrifuged through bioreaction tubes.
- These tubes consist of ultrasonically welded 0.22 µm hydrophobic membrane to allow gas exchange.
- These tubes come with a large frosted area and engraved graduation.
- These tubes are ideal for culture and centrifuge applications. 15ml tubes can withstand maximum RCF 18,000*g, 50ml conical bottom can withstand 18,000*g RCF & 50 ml self-standing tube can withstand RCF 7000*g



Code	Capacity	Bottom	No. / Pack	No./case	Price/case (₹)
P21070	15 ml	Conical	10	100	4700
P21071	50 ml	Conical	10	100	7000
P21072	50 ml	Self-standing	10	100	7300

- Ideal for all shaker & suspension cell culture applications, media preparation, mixing, liquid handling, and storage.
- Baffled or Plain bottom to suit needs for improving aeration or reducing shear stress.
- HDPE Cap Option for Sealed and Vent for adequate gas exchange
- 0.2µm membrane filter for sterile gas exchange, can effectively prevent microbes in and out, prevent pollution, and ensure the gas exchange, making the cells or bacteria grow well.
- Moulded graduation for accuracy and quick volume check.
- Volume options – 125/250/500/1000ml.
- Individually wrapped and sterilized by gamma irradiation SAL10⁻⁶.



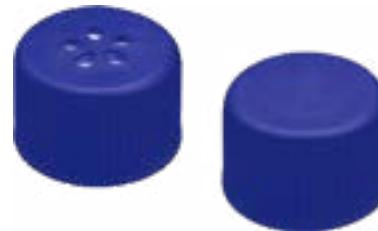
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Erlenmeyer Flasks, PC

Code	Capacity	Cap Style	Base Style	Qty/Case	Price/Case (₹)
P21200	125ml	Sealed	Flat	24	7663
P21201	125ml	Vent	Flat	24	8776
P21202	250ml	Sealed	Flat	12	4511
P21203	250ml	Vent	Flat	12	5092
P21204	500ml	Sealed	Flat	12	5686
P21205	500ml	Vent	Flat	12	6390
P21206	1000ml	Sealed	Flat	12	9332
P21207	1000ml	Vent	Flat	12	10197
P21212	125ml	Sealed	Baffled	24	7663
P21213	125ml	Vent	Baffled	24	8776
P21214	250ml	Sealed	Baffled	12	4759
P21215	250ml	Vent	Baffled	12	5166
P21216	500ml	Sealed	Baffled	12	7725
P21217	500ml	Vent	Baffled	12	6736
P21218	1000ml	Sealed	Baffled	12	10259
P21219	1000ml	Vent	Baffled	12	11346



500 ml (Flat)



Vent & Sealed Caps

Erlenmeyer Flasks, PETG

Code	Capacity	Cap Style	Base Style	Qty/Case	Price/Case (₹)
P21220	125ml	Sealed	Flat	24	7663
P21221	125ml	Vent	Flat	24	8776
P21222	250ml	Sealed	Flat	12	4511
P21223	250ml	Vent	Flat	12	5129
P21224	500ml	Sealed	Flat	12	5686
P21225	500ml	Vent	Flat	12	6427
P21226	1000ml	Sealed	Flat	12	8899
P21227	1000ml	Vent	Flat	12	9764



1000 ml

500 ml

250 ml

125 ml

- Best suited for packaging, shipping & storing liquid media, buffers and sera.
- Wide volume options – 60/125/250/500/1000 ml.
- Two polymer variants Polyethylene Terephthalate Glycol co-polyester (PETG)/ providing impact resistance and excellent gas-barrier properties and Polyethylene Terephthalate (PET) offering more optical clarity & increased inertness.
- Square shape easy to hold and saves shelf & counter space compared with round bottles of the same volume.
- Narrow-mouth bottles provide better control when pouring and all come with the liquid leak proof guarantee.
- Temperature Operational Range: - 80° C to 60° C.
- Non-pyrogenic and non-cytotoxic to protect cells.
- Molded-in embossed graduations.
- Closure is high density polyethylene (HDPE).



125 ml

Media Bottles PETG					
Code	Capacity	Cap	Sterile	No./pack	Price/case (₹)
P2II70	60 ml	Yes	No	192	26995
P2II71	125 ml	Yes	No	96	19608
P2II72	250 ml	Yes	No	60	15162
P2II73	500 ml	Yes	No	48	17145
P2II74	1000 ml	Yes	No	24	11468
P2II80	60 ml	Yes	Yes	192	28416
P2II81	125 ml	Yes	Yes	96	20640
P2II82	250 ml	Yes	Yes	60	15960
P2II83	500 ml	Yes	Yes	48	18048
P2II84	1000 ml	Yes	Yes	24	12072

Media Bottles PET					
Code	Capacity	Cap	Sterile	No./pack	Price/case (₹)
P2II76	125 ml	Yes	No	96	14706
P2II77	250 ml	Yes	No	224	42454
P2II78	500 ml	Yes	No	80	21432
P2II79	1000 ml	Yes	No	40	14335
P2II86	125 ml	Yes	Yes	96	15480
P2II87	250 ml	Yes	Yes	224	44688
P2II88	500 ml	Yes	Yes	80	22560
P2II89	1000 ml	Yes	Yes	40	15090

Media Bottles PETG – Individually Wrapped					
Code	Capacity	Cap	Sterile	No./pack	Price/case (₹)
P2II92	60 ml	Yes	Yes	192	34668
P2II93	125 ml	Yes	Yes	80	20984
P2II94	250 ml	Yes	Yes	60	19471
P2II95	500 ml	Yes	Yes	48	22019
P2II96	1000 ml	Yes	Yes	40	24546



1000 ml

500 ml

250 ml

125 ml

60 ml

BIOFILL BOTTLE TOP FILTRATION SYSTEM

- Biofill Bottle Top Filtration System is available as a Full Assembly or as a bottle top Funnel.
- Biofill Bottle Top Filtration Systems are disposable, sterile, vacuum operated systems for the sterile preparation of buffers, tissue culture media, microbiological media, and other biological fluids.
- Systems are available with asymmetric 0.1 µm, 0.22 µm & 0.45 µm PES membranes.
- PES membrane has low protein binding and is surfactant-free.
- The complete unit includes membrane filter, graduated funnel of clear polystyrene with polyethylene neck adaptor & polystyrene reservoir bottle with a separate sterile polyethylene cap.
- Large knurls on the reservoir bottle cap for easy screw
- Reservoir bottles features easy grip sides for improved handling.
- Detergent free, tissue culture compatible & heat sealed to the support grid to maximize flow rate, reducing foam & denaturation.
- Each unit is individually packed & gamma irradiated.
- Certified Non- Pyrogenic



BIOFILL Bottle Top Funnel

Code	Product Description	Funnel capacity Volume	GL Size/Threads	Filter Pore Size	Membrane Diameter	No./case	Price/case (₹)
P2I101	250ml Funnel Only with 0.2 um PES Membrane	250 ml	45	0.2 µm	66 mm	24	11452
P2I102	500ml Funnel Only with 0.2 um PES Membrane	500 ml	45	0.2 µm	66 mm	24	14561
P2I103	1000ml Funnel Only with 0.2 um PES Membrane	1000 ml	45	0.2 µm	90 mm	24	16639
P2I104	250ml Funnel Only with 0.1 um PES Membrane	250 ml	45	0.1 µm	90 mm	24	13658
P2I105	500ml Funnel Only with 0.1 um PES Membrane	500 ml	45	0.1 µm	66 mm	24	16864
P2I106	1000ml Funnel Only with 0.1 um PES Membrane	1000 ml	45	0.1 µm	90 mm	24	18884
P2I107	250ml Funnel Only with 0.45 um PES Membrane	250 ml	45	0.45 µm	90 mm	24	11452
P2I108	1000ml Funnel Only with 0.45 um PES Membrane	1000 ml	45	0.45 µm	90 mm	24	14561
P2I109	1000ml Funnel Only with 0.45 um PES Membrane	1000 ml	45	0.45 µm	90 mm	24	16639

BIOFILL Bottle Top Filtration System

Code	Product Description	Funnel capacity Volume	Receiver Capacity Volume	Filter Pore Size	Membrane Diameter	No./case	Price/case (₹)
P2I090	250ml, 0.2µm High Flow PES Bottle Top Filter Full Assembly, Sterile	250 ml	250 ml	0.2 µm	66 mm	12	8425
P2I091	500ml, 0.2µm High Flow PES Bottle Top Filter Full Assembly, Sterile	500 ml	500 ml	0.2 µm	90 mm	12	11845
P2I092	1000ml, 0.2µm High Flow PES Bottle Top Filter Full Assembly, Sterile	1000 ml	1000 ml	0.2 µm	90 mm	12	13390
P2I093	250ml, 0.45µm High Flow PES Bottle Top Filter Full Assembly, Sterile	250 ml	250 ml	0.45 µm	66 mm	12	8425
P2I094	500ml, 0.45µm High Flow PES Bottle Top Filter Full Assembly, Sterile	500 ml	500 ml	0.45 µm	90 mm	12	11845
P2I095	1000ml, 0.45µm High Flow PES Bottle Top Filter Full Assembly, Sterile	1000 ml	1000 ml	0.45 µm	90 mm	12	13390
P2I096	250ml, 0.1µm High Flow PES Bottle Top Filter Full Assembly, Sterile	250 ml	250 ml	0.1 µm	66 mm	12	10403
P2I097	500ml, 0.1µm High Flow PES Bottle Top Filter Full Assembly, Sterile	500 ml	500 ml	0.1 µm	90 mm	12	13390
P2I098	1000ml, 0.1µm High Flow PES Bottle Top Filter Full Assembly, Sterile	1000 ml	1000 ml	0.1 µm	90 mm	12	16356



Quality is a collective responsibility from the supplier to the user

06

PCR Techniques

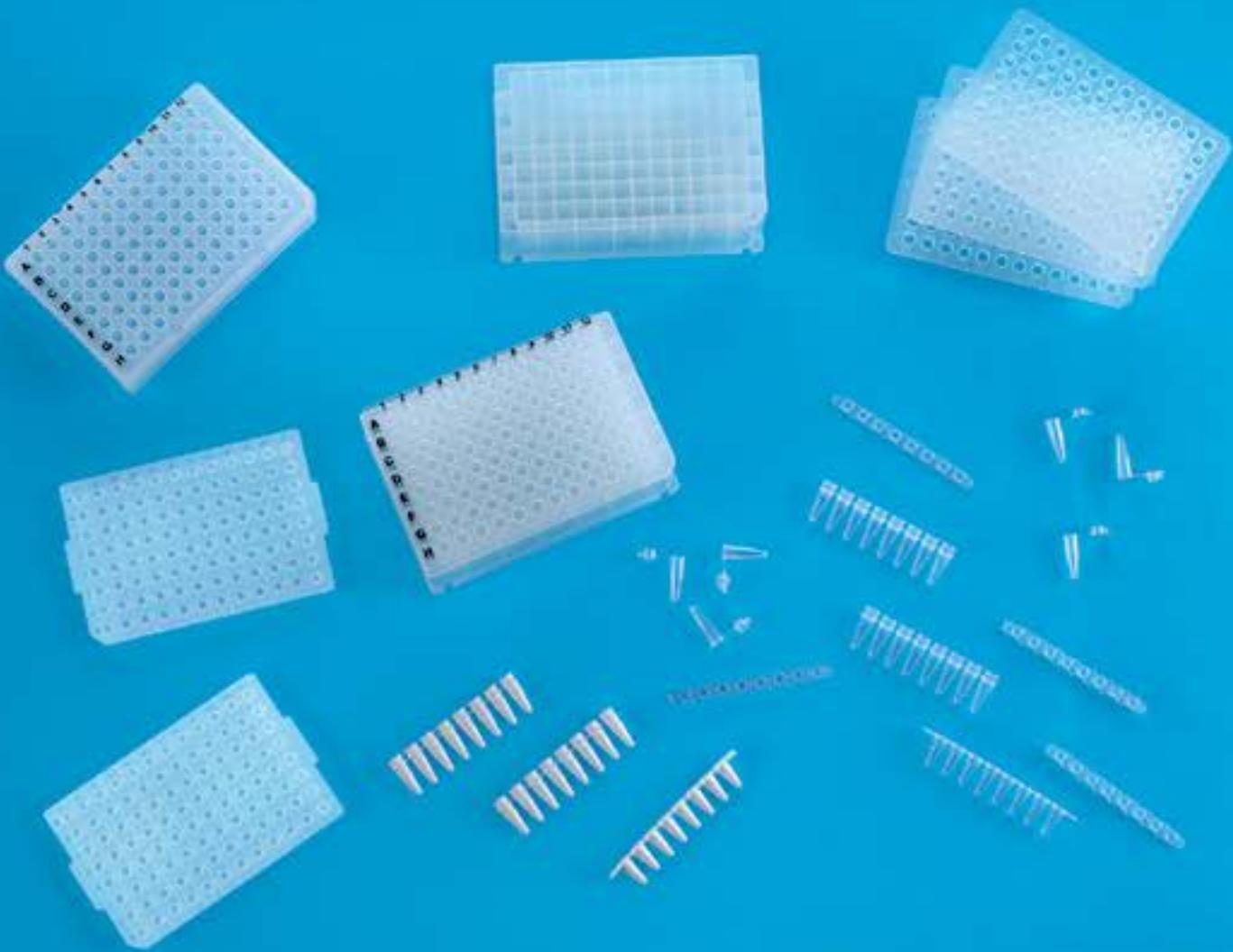
AmpQlear™ PCR Tubes

AmpQlear™ PCR Strip Caps & Strip Tubes

PCR Plates

PCR Sealing Films & Workstation

Deep Well Plates & Accessories



100 AMPQLEAR™ PCR TUBES, PP

NEW

- PCR tubes are made of high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber and heavy metal.
- Thin and uniform wall thickness to ensure optimal heat transfer reducing insulating effect.
- Attached snap cap with lid. Caps available are in domed & flat shape.
- Snap cap ensures tight fit eliminating risk of sample evaporation.
- Flat caps are optically clear for real time qPCR.



Code	Capacity	Type	Height	No./case	Price/case (₹)
PI0701	0.2 ml	Clear Flat Cap	21.5 mm	1000	1993
PI0702	0.2 ml	Domed Cap	23.16 mm	1000	2045



101 AMPQLEAR™ PCR 8 STRIP TUBES WITHOUT CAP, PP

NEW

- Strip tubes are made of high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber and heavy metal.
- Strip Tubes have uniform thin walls to reduce insulating effect on the strips.
- Optically clear for real time qPCR.
- Strip Tubes are available in both Standard and low profile wells.



Code	Capacity	Type	Height	No./case	Price/case (₹)
PI0732	0.2 ml	White 8 Strip Standard Tubes	20.7 mm	125 strips	3731
PI0733	0.1 ml	White 8 Strip Low Profile Tubes	15.1 mm	125 strips	4218
PI0706	0.2 ml	8 Strip Standard Tubes	20.7 mm	125 strips	3554
PI0708	0.1 ml	8 Strip Low Profile Tubes	15.1 mm	125 strips	4017



102 AMPQLEAR™ PCR 8 STRIP CLEAR CAPS- FLAT & DOMED, PP

NEW

- PCR strip caps are made of high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber and heavy metal.
- Caps feature ultra-clear surface ideal for fluorescent, luminescent and real time PCR application.
- Optically clear caps for real time qPCR.



Code	Capacity	Type	No./case	Price/case (₹)
PI0709	0.2 ml & 0.1 ml	8 Strip Cap Flat Optically Clear	125 strips	2034
PI0711	0.2 ml & 0.1 ml	8 Strip Cap Domed	125 strips	2034



103 AMPQLEAR™ PCR 8 STRIP TUBES AND 8 STRIP CAPS, PP

NEW

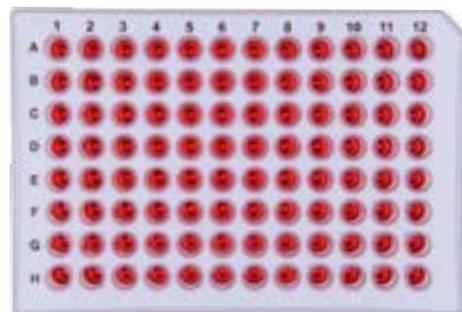


Code	Capacity	Type	Height	No./case	Price/case (₹)
PI0726	0.1 ml	Combo - Clear 8 Strip Tubes & Optically Clear 8 Strip Flat Caps	16.1 mm	125 strips	5274
PI0729	0.1 ml	Combo - White 8 Strip Tubes & Optically Clear 8 Strip Flat Caps	16.1 mm	125 strips	5537
PI0727	0.2 ml	Combo - Clear 8 Strip Tubes & Optically Clear 8 Strip Flat Caps	20.7 mm	125 strips	4893
PI0728	0.2 ml	Combo - White 8 Strip Tubes & Optically Clear 8 Strip Flat Caps	20.7 mm	125 strips	5137
PI0734	0.2 ml	Combo - Clear 8 Strip Tubes & Optically Clear 8 Strip Domed Caps	23.16 mm	125 Strips	4893
PI0735	0.1 ml	Combo - Clear 8 Strip Tubes & Optically Clear 8 Strip Domed Caps	17.76 mm	125 Strips	5274
PI0736	0.2 ml	Combo - White 8 Strip Tubes & Optically Clear 8 Strip Domed Caps	23.16 mm	125 Strips	5137
PI0737	0.1 ml	Combo - White 8 Strip Tubes & Optically Clear 8 Strip Domed Caps	17.76 mm	125 Strips	5537

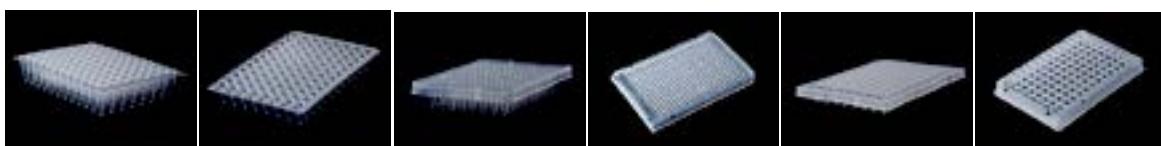


PCR PLATES FAMILY, PP

- PCR plates made of high purity virgin USP Class VI Medical grade polypropylene (PP) conforming to US FDA 21 CFR, free from natural rubber and heavy metal.
- Ultra thin and consistent wall thickness allows precise thermal transfer.
- Maximum G-Force 4000 RCF.
- Improve light capture in fluorescent assays.
- Compatibility with a wide variety of sealing systems.



Code	Product	Type	No./case	Price/case (₹)
PI0713	96 Well standard well 0.2 ml	Unskirted Standard Well	25 Plates	3965
PI0714	96 Well low profile well 0.1 ml	Unskirted Low Profile well	25 Plates	4070
PI0722	96 Well semi-skirted low profile well 0.1 ml	Semi-Skirted low profile	25 Plates	5125
PI0716	96 Well semi-skirted standard well 0.2 ml	Semi-Skirted Standard Well	10 Plates	2075
PI0723	96 Well fully skirted low profile well 0.1 ml	Fully-Skirted Low Profile Well	10 Plates	3182
PI0717	384 Well fully skirted well	Fully-Skirted Well	10 Plates	4155



P10713

P10714

P10716

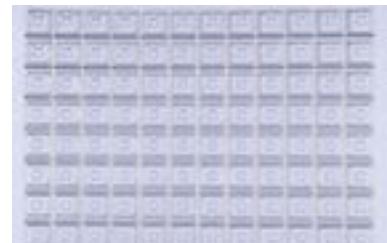
P10717

P10722

P10723

SEALING MATS, SILICONE

- These mats are made of silicone rubber and designed to seal the plates
- The mat is made up of 96 plugs & 384 plugs.
- The mat has to be compressed. A plug that caps the individual well seals each well on the PCR plate.
- Sealings mats silicone are autoclavable.



Code	Type	No./case	Price/case (₹)
PI0721	Silicone Sealing Mats for 96 wells	50 mats	11550
PI0731	Silicone Sealing Mats for 384 wells	50 mats	12495

SEALING FILMS, POLYESTER

- Sealing films are optically clear and are suitable for use in real-time PCR applications and PCR plates.
- The film is press fit and sticks to the plate.
- Sealing films are disposable and for single use only.
- Temperature withstanding range from -70 degree Celsius to +100 degree Celsius.



Code	Type	No./case	Price/case (₹)
PI0718	Clear Seal Film	100 sheets	16500

SEALING FILMS, ALUMINIUM

- Opaque in nature therefore the sample is not visible inside the plate wells. The film is adhesive coated and sticks to the plate.
- These films are readily pierceable either by manual pipette or by liquid handling robot.



Code	Type	No./case	Price/case (₹)
PI0719	Silver Seal	100 sheets	8880

- All Abdos Deep Well Plates conform to SBS International Standard and are compatible with most of the pipette workstations and extraction systems available
- Compatible with many applications such as HTS assays, sample storage, Nucleic acid extraction, sample preparation, elution, and liquid handling stations
- Compatible with multi-channel compatible pipettes, Automatic Liquid Handling Stations and Nucleic acid extraction systems
- 96 well plates come in square and round wells with Conical and round bottoms
- The range includes high and low-profile Deep Well plates in different formats, Comb, Silicone mats, and reservoirs
- Manufactured in a state-of-the-art precision mold facility from USP class VI medical grade virgin polypropylene conforming USFDA 21CFR, free from natural rubber and heavy metals
- Temperature range: -80°C to 121°C
- Centrifugal strength up to 3000g
- Alphanumeric marking for easy identification
- Low extractables & leachable



P10802

P10803



P10808



Code	Capacity	Type	No./case	Price/case (₹)
PI0802	2.2ml	96 Square Well, Round Conical Bottom ("V")	50	13000
PI0808	-	96 Magnetic Tip Comb for Suitable for PI0802	100	28500
PI0809	0.5ml	96 Square Well Conical ("V") Bottom (200µl Elution Plate) Deep Well Plate	50	14000
PI0810	2.0ml	96 Round Well, Round ("U") Bottom Deep Well Plate	50	13700
PI0811	1.0ml	96 Round Well, Round ("U") Bottom Deep Well Plate	50	17500
PI0803	1.2ml	96 Square Well, Conical ("V") Bottom, Deep Well Plate	100	24000

DEEP WELL PLATE COMPATIBILITY CHART

Automated Liquid Handling Stations

Automated Nucleic Acid Extractor / Purification Systems

109 REAGENT RESERVOIR, PP

- Reagent reservoir provides a stable platform for various pipetting steps and procedures during repetitive liquid transfer.
- 12 well reagent reservoir suitable with multichannel pipette
- Standard SBS footprint designed to be robot compatible
- Can be stored at -80°C temperature.



Code	Capacity	Type	No./case	Price/case (₹)
PI0801	180ml (15ml each groove)	12 Channel Troughs Reservoir	25	5590

110 SEALING MATS FOR DEEP WELL PLATES FAMILY, SILICONE

- These silicone sealing mats are suitable for square and round deep well plates
- Excellent chemical resistance
- Pierceable for easy penetration and self-closure
- Easy sample access with micropipette, probes, or syringes
- Airtight closure minimizes the sample evaporation



Code	Type	No./case	Price/case (₹)
PI0804	Silicone Mat for 96 Square Well plate, Pierceable	50	14560
PI0805	Silicone Mat for 2.0ml 96 Round Well Plate, Pierceable	50	14560
PI0806	Silicone Mat for 96 Round Well Plate 1.0ml, Pierceable	50	14560
PI0807	Adhesive Sealing Film, Polyester	500	19000



111 PCR WORKUP RACK, PP

- Manufactured in state of the art moulding facility using high purity polypropylene.
- These workup racks can be easily stackable.
- These racks can accommodate unskirted, semi-skirted and skirted 96 well PCR plates. It can also accommodate strip PCR tubes.
- Legs at all four corners make it robust and stable for good grip on the surface.
- These racks have Moulded alphanumeric indexing for fast and accurate identification.
- Operating temperature is -80°C to +121°C.
- Available in colours (Red, Green, Yellow, White & Blue).



Code	Tube Capacity	L x W x H	No./case	Price/case (₹)
PI1101	1x 96 well PCR plates, 96 place for individual PCR tube , 12 x 8-well PCR strips	138 x 98 x 39 mm	5	2722

112 PCR WORKSTATION RACK WITH LID, PP

- Manufactured in state of the art moulding facility using high purity polypropylene.
- Easily stackable.
- Can accommodate un-skirted, semi-skirted and skirted 96 well PCR plates, individual PCR tubes and 0.5, 1.5 & 2.0 ml micro centrifuge tubes.
- Alphanumeric indexing for fast and accurate identification.
- Ideal platform for pre and post PCR sampling process.
- Operating temperature is -80°C to +121°C.
- Available in colors (Red, Green, Yellow, White & Blue).



Code	Tube Capacity	L x W x H	No./case	Price/case (₹)
PI1103	24 individual 0.2 ml PCR tubes, 16 x 1.5 or 2.0 ml tubes, 16 x 0.5 ml tubes and 96 well rack for PCR plates	215 x 120 x 50 mm	5	5506



THERMAL CYCLER COMPATIBILITY GUIDE for ABDOS 96 & 384 Wellplates

Model	0.2 ml 96 well PCR plate Without Skirt Transparent	0.1ml 96-Well PCR plate Without Skirt Transparent	0.1ml 96-Well PCR plate Half Skirt Transparent	0.2ml 96-Well PCR plate Half Skirt Transparent	0.1 ml 96-Well PCR plate Full Skirt Transparent	40ul 384-Well PCR plate Full Skirt Transparent
	P10713	P10714	P10722	P10716	P10723	P10717
Applied Biosystems						
StepOnePlus™ qPCR system		✓				
StepOne™ qPCR system		✓				
Fast 384 ,ABI384						
ViiA™7 fast qPCR 96*0.1ml		✓				
ViiA™7 qPCR system				✓		✓
7500 Fast qPCR system		✓				
7900HT Fast qPCR system						✓
7500 qPCR system	✓			✓		
7900HT qPCR system						
QuantStudio™ 12k Flex Fast						
QuantStudio™ 12k Flex	✓	✓		✓		✓
7300 qPCR system	✓			✓		
7000 ABI PRISM 7000 SDS	✓			✓		
GeneAmp 9700 series						✓
QuantStudio® 3 Q5\Q6\Q7	✓	✓		✓		✓
QuantStudio® 3 Q5\Q6\Q7 fast						
Veriti 96-Well/Veriti™ Dx 96-Well						
Veriti FAST 96-Well/Veriti™ Dx FAST						
SimpliAmp™						
3130xl Genetic Analyser						✓
3500xl Genetic Analyser						✓
3730xl DNA Analyser						✓
Bio-Rad Laboratories						
CFX96 Real-Time PCR		✓	✓	✓	✓	
iQ5 Real-Time PCR				✓		
iQ Real-Time PCR				✓		
MyIQ Real-Time PCR						
MyIQ2 Real-Time PCR						
Opticon 2		✓	✓			
CFX connect	✓	✓	✓	✓	✓	
T100	✓	✓	✓	✓	✓	
icycler	✓			✓		
C1000/ C1000 Touch	✓	✓	✓	✓	✓	✓
DNA Engine	✓	✓	✓	✓	✓	
MiniOpticon	✓	✓		✓	✓	
MJ Mini		✓				
PTC-100	✓	✓		✓	✓	
S100	✓	✓		✓		
iCycler				✓		
Eppendorf						
Mastercycler ep realplex	✓	✓	✓	✓	✓	
Mastercycler nexus /nexus eco, GSX1				✓	✓	
Mastercycler ep gradient	✓	✓	✓	✓	✓	
Mastercycler pro/pro S		✓				
Thermomixer C	✓	✓	✓	✓	✓	
Thermomixer comfort	✓	✓			✓	
Mastercycler gradient				✓	✓	
Roche						
LightCycler® 480 System 384-well						
LightCycler® 480 System						
LightCycler® 96 System						
Agilent						
Agilent AriaMX		✓				
SureCycler 8800 thermal cycler				✓		
Mx3000P	✓					
Mx3005	✓					
Mx4000	✓					
Analytik Jena/Biometra						
qTower	✓	✓		✓		
Tone96/96G	✓	✓	✓	✓	✓	
Alpha SC	✓	✓	✓	✓	✓	
FlexCycler	✓	✓	✓	✓	✓	
Alpha SC		✓			✓	
TRIO 48	✓				✓	
TRIO Combi		✓			✓	
SpeedCycler 36				✓		
Bioer						
Line-Gene I	✓	✓				
Line-Gene K 48		✓				
Line-Gene 3310/3320	✓	✓				
Line-Gene 9600	✓	✓		✓		
GenePro B	✓	✓			✓	
Life ECO Thermal Cycler		✓			✓	
Life Express		✓			✓	
LifePro TC-96/G/H(b)A		✓			✓	
LifeTouch TC-96/G/H(b)B		✓			✓	
XPcycler TC-XP-	✓				✓	
Takara Bio Inc						
Thermal Cycler Dice TP600		✓		✓		
Thermal Cycler Dice TP650		✓		✓		
Thermal Cycler Dice TP850				✓		
Thermal Cycler Dice TP870				✓		

✓—suitable

Plates to SBS Specifications foot print. Certified Free From DNase, RNase and Detectable DNA. This chart is intended as a guide only. Abdos cannot accept any liability or responsibility for information given. PCR is a patented process of Roche Holdings



When we chase perfection,
we deliver some semblance
of quality that we can stand for

07

Electrophoresis

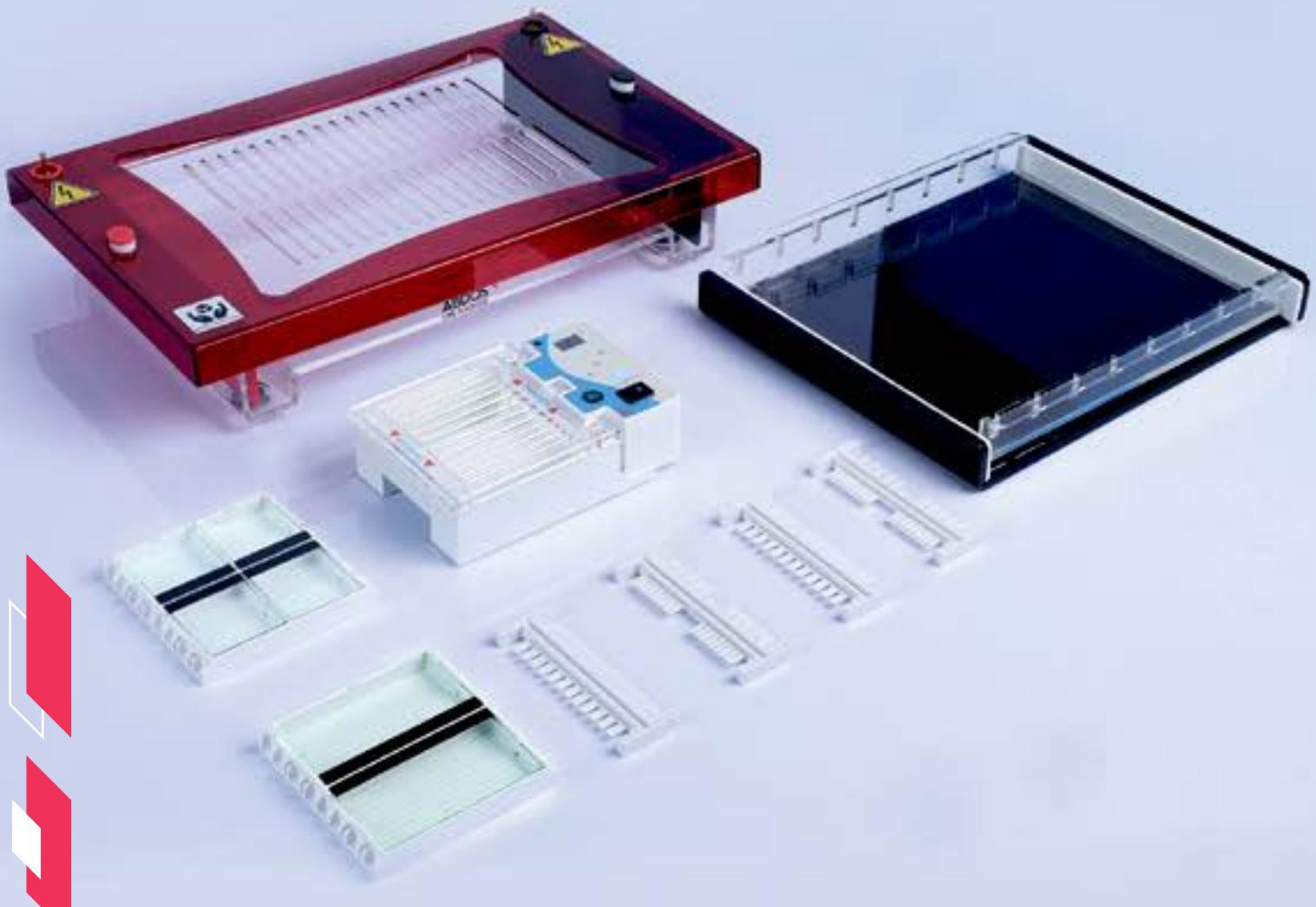
Horizontal Units

Vertical Units

Blotting Unit

Power Supplies

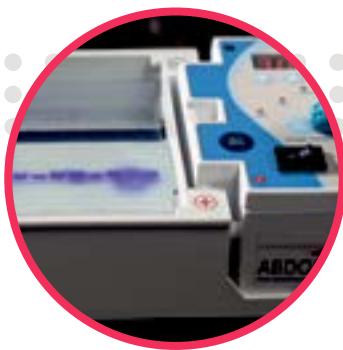
UV Transilluminators



"NEW ADDITION"

ABDOS MINI EP GEL ELECTROPHORESIS

Abdos introduces a highly versatile Mini EP Horizontal Electrophoresis system featuring in-built power supply and horizontal electrophoresis suitable for wide range of nucleic acid electrophoresis applications.



Inbuilt Power Supply



Double Sided Combs



Multiple Gel Trays Option

- Abdos introduces a highly versatile Mini EP Horizontal Electrophoresis system featuring in-built power supply and horizontal electrophoresis suitable for wide range of nucleic acid electrophoresis applications.
- Mini EP is all in one unit which comes with an in-built removable power supply which runs on 35V, 50V & 100V, and horizontal electrophoresis with two sizes of gel trays. Vented safety lid ensures condensation free runs and helps heat dissipation. A timer function with visual and audible alarm of 1-99mins ensures worry free runs without losing the bands.

SPECIFICATIONS

Input Power	AC200-240V, 50-60Hz
Output Power	DC35V / DC50V / DC100V
Tank Dimensions (cm)	11 x 12.1 x 4.3cm
Max. Buffer Volume	230ml
Construction of Unit	PC+ABS with high temperature resistance
Timer	1min-99min
Max. Power	40W
Dimensions (cm)	19 x 13 x 6cm



FEATURES

- Compact and easy to use design.
- In-built power supply with 35V, 50V & 100V output.
- Leak proof & tape free easy casting.
- 1-99mins timer function.

INCLUSIONS

- Power Supply
- Gel Tank
- Safety Lid
- Large Gel Trays – 11x6cm (2 Nos)
- Small Gel Trays – 5.4x6cm (4 Nos)
- Two Nos each 12 & 22 wells double sided combs (For large Tray), 10&18 wells double sided combs (For small tray).
- 2 gel casters for wide and mini gel trays

ABDOS Mini EP Horizontal Electrophoresis

Code	Product	No./case	Price/case (₹)
EI2000	Mini EP Horizontal Electrophoresis with 11 x 6 cm & 5.4 x 6 cm Gel trays and Inbuilt Power supply	1	47000

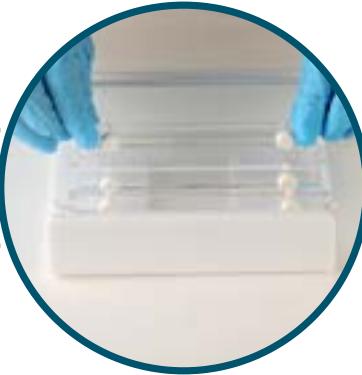
Spare Accessories

Code	Product Description	No./case	Price/case (₹)
EI2001	Gel Tank	1	23000
EI2002	Power Supply	1	27000
EI2003	Gel Caster, Large	1	2100
EI2004	Gel Caster, Mini	1	2100
EI2005	Gel Tray, 6x11cm	1	2100
EI2006	Gel Tray, 6x5.4cm	1	1900
EI2007	Comb 12/22 wells for large tray	1	1200
EI2008	Comb 10/18 wells for small tray	1	1200

“NEW ADDITION”

Abdos Horizontal Range of Electrophoresis

Abdos introduces a complete new range of Horizontal Electrophoresis Systems, Feature rich new designs includes different sizes for wide range of applications.



Thumb Locators

Multiple Gel Trays
and Comb Options

Standard easy to
use caster

HORIZONTAL ELECTROPHORESIS SELECTION GUIDE

	E12000 Mini EP	E12160 MiniAGE	E12170 MiniWideAGE	E12150 MidiAGE	E12190 MidiLargeAGE	E12200 HTP AGE
UNIT DIMENSIONS (WXLXH)	19x13x6 cm	8.5 x 22 x 6 cm	25x13.5x9.5 cm	31x18.5x9.5 cm	35x25.5x9.5 cm	36x40x8.5 cm
MATERIAL OF CONSTRUCTION	PC+ABS	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
GEL SIZE (WXL)	6x5.4cm & 6x11cm	7x10cm & 7x7 cm	10 x 10 cm	15x15cm	15x25cm	26x32cm
BUFFER REQUIRED	230ml	250ml	400ml	600ml	800ml	1500ml
MAXIMUM SAMPLE CAPACITY	44 Samples	30 Samples	48 Samples	112 Samples	168 Samples	416 Samples
RECOMMENDED POWER SUPPLY	In-Built	E12377	E12377	E12377	E12377	E12377

114

ABDOS MINIAGE HORIZONTAL ELECTROPHORESIS

NEW

- Preferred for rapid screening & restriction digestion applications.
- Abdos MiniAGE Horizontal Electrophoresis system comes with a tank that ensures leakproof run and longevity of the systems.
- The system comes with two different sizes of trays – 7x10cm & 7x7cm (WxL) and combs to support a variety of nucleic acid applications.
- Height adjustable combs offer complete control over the depth of the wells and sample loading capacity.
- The system includes a standard caster as well for leak proof gel casting that doesn't require any taping.
- Easy to replace removable electrode casing.

ABDOS MiniAGE Horizontal Electrophoresis

Code	Product	No./case	Price/case (₹)
E12160	Mini Horizontal Electrophoresis with 7 x 10 cm & 7 x 7cm Gel trays, 1 mm thick 8 & 12 well combs (2 Nos. each), casting unit, connecting chord (1 pair)	1	28000

Spare Accessories

Code	Product	No./case	Price/case (₹)
E12161	Gel Tray 7 x 10cm	1	3600
E12162	Gel tray 7 x 7cm	1	3400
E12163	8 well comb, 1 mm thick	1	2100
E12164	12 well comb, 1 mm thick	1	2100
E12165	Gel casting unit for 7 x 10 cm & 7 x 7 cm trays	1	3900

115 | ABDOS MINIWIDEAGE HORIZONTAL ELECTROPHORESIS

NEW

- Best choice for users requiring wider but smaller size gels for rapid screening.
- Abdos MiniWideAGE Horizontal Electrophoresis system comes with a tank that ensures leak proof run and longevity of the systems.
- The system comes with a 10x10cm tray (WxL) and combs to support a variety of nucleic acid applications.
- Height adjustable combs offer complete control over depth of the wells and sample loading capacity.
- The system includes a standard caster as well for leak proof gel casting that doesn't require any taping.
- Easy to replace removable electrode casing.

Spare Accessories

Code	Product	No./case	Price/case (₹)
E12171	Gel Running Tray 10 X 10Cm	1	3600
E12172	Gel Running Tray 10 X 7Cm	1	3400
E12173	8 Well Height Adjustable Comb 1mm	1	2100
E12174	8 Well Height Adjustable Comb 1.5mm	1	2100
E12175	16 Well Height Adjustable Comb 1mm	1	2200
E12177	16 Well Height Adjustable Comb 1.5mm	1	2200
E12178	Gel Casting Unit for 10 x7 & 10X 10cm Running Tray	1	3900
E12179	Connecting Cord	1 Pair	1500
E12218	Negative Electrode casing with wire & electrode	1	5200
E12219	Positive Electrode casing with wire & electrode	1	5200

ABDOS MiniWideAGE Horizontal Electrophoresis

Code	Product	No./case	Price/case (₹)
E12170	Mini Wide Horizontal System includes a Basic unit with Removable Platinum Electrode Assembly, Gel Running tray of 10x10cm (1 No.), 1mm thick 4 combs of 8 & 16 Wells, casting unit & connecting Cord (1 Pair)	1	32500

ABDOS MIDIAGE HORIZONTAL ELECTROPHORESIS

NEW

- Best suited for rapid screening applications for clonal or PCR products, restriction fragment analysis, and other close molecular weight band separation.
- The system comes with a medium size 15x15cm tray (WxL) and combs to support a variety of nucleic acid applications.
- Height adjustable combs offer complete control over the depth of the wells and sample loading capacity.
- The system includes a standard caster for leakproof gel casting that doesn't require any taping.
- Easy to replace removable electrode casing.

ABDOS MidiAGE Horizontal Electrophoresis

Code	Product	No./case	Price/case (₹)
EI2150	Midi Horizontal System includes Basic unit with Removable Platinum Electrode Assembly, Gel Running tray of 15x15cm (1 No.), 1mm thick 4 combs of 16 & 20 Wells, casting unit & connecting Cord (1 Pair)	1	42200

Spare Accessories

Code	Product	No./case	Price/case (₹)
EI2181	Gel Running Tray 15X15Cm	1	4200
EI2182	Gel Running Tray 15X10Cm	1	4000
EI2183	Gel Running Tray 15X7Cm	1	3600
EI2184	16 Well Height Adjustable Comb 1mm	1	2700
EI2185	20 Well Height Adjustable Comb 1mm	1	2700
EI2193	16 Well Height Adjustable Comb 1.5mm	1	2700
EI2189	20 Well Height Adjustable Comb 1.5mm	1	2700
EI2186	28 Well Height Adjustable Comb 1mm	1	3000
EI2194	28 Well Height Adjustable Comb 1.5mm	1	3000
EI2187	Gel Casting Tray	1	6000
EI2188	Connecting Cord	1 Pair	1500
EI2197	Negative Electrode casing with wire & electrode	1	8500
EI2198	Positive Electrode casing with wire & electrode	1	8500

ABDOS MIDILARGEAGE HORIZONTAL ELECTROPHORESIS

NEW

- ABDOS Midi Large is a great choice with wide and long gel lengths offering a high number of sample loading.
- Tray size of 15x25cm (WxL) offers a wide range of applications such as rapid screening of clonal or PCR products and RFLP analysis.
- Height adjustable combs offer complete control over the depth of the wells and sample loading capacity.
- The system includes a standard caster for leakproof gel casting that doesn't require any taping.
- Easy to replace removable electrode casing.

ABDOS MidilargeAGE Horizontal Electrophoresis

Code	Product	No./case	Price/case (₹)
EI2190	Midi Large Horizontal System includes Basic unit with Removable Platinum Electrode Assembly, Gel Running tray of 15 x 25cm (1 No.), 1mm thick 4 combs of 28 Wells, casting unit & connecting Cord (1 Pair)	1	57750

Spare Accessories

Code	Product	No./case	Price/case (₹)
EI2191	Gel Running Tray 15 X 25cm	1	6000
EI2184	16 Well Height Adjustable Comb 1mm	1	2700
EI2185	20 Well Height Adjustable Comb 1mm	1	2700
EI2193	16 Well Height Adjustable Comb 1.5mm	1	2700
EI2189	20 Well Height Adjustable Comb 1.5mm	1	2700
EI2186	28 Well Height Adjustable Comb 1mm	1	3000
EI2194	28 Well Height Adjustable Comb 1.5mm	1	3000
EI2195	Gel Casting Tray for 15X 25cm	1	7000
EI2196	Connecting Cord	1 Pair	1500
EI2197	Negative Electrode casing with wire & electrode	1	8500
EI2198	Positive Electrode casing with wire & electrode	1	8500

ABDOS HTP AGE HORIZONTAL ELECTROPHORESIS

- ABDOS High Throughput Horizontal Electrophoresis offers a longer run length of up to 32cm & 26cm width offering a high number of sample loading.
- Large tray size of 26x32cm (WxL) offers wide range of applications such as rapid screening of clonal or PCR products and RFLP Analysis.
- Multichannel pipette-compatible combs support running a 96-well PCR plate to the tray.
- Height adjustable combs offer complete control over the depth of the wells and sample loading capacity.
- The system includes a standard caster for leakproof gel casting that doesn't require any taping.
- Easy to replace removable electrode casing.

ABDOS HTP AGE Horizontal Electrophoresis

Code	Product	No./case	Price/case (₹)
EI2200	HTP Horizontal System includes a Basic unit with removable Platinum Electrode Assembly, Gel Running tray of 26 x 32cm (1 No.), 1mm thick 6 combs of 28 Wells, casting unit & connecting Cord (1 Pair)	1	87000

Spare Accessories

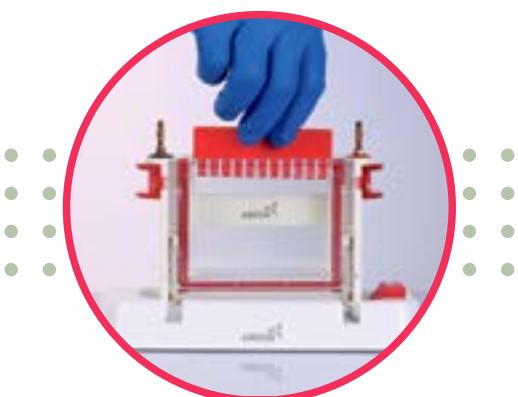
Code	Product	No./case	Price/case (₹)
EI2207	Gel Running Tray 26 X 32cm	1	9000
EI2213	28 Well Height Adjustable Comb 1mm	1	3800
EI2208	28 Well Height Adjustable Comb 1.5mm	1	3800
EI2209	52 Well Height Adjustable Comb 1mm	1	3800
EI2210	52 Well Height Adjustable Comb 1.5mm	1	3800
EI2211	Gel Casting Tray for 26 X 32cm	1	9500
EI2212	Connecting Cord	1 Pair	1500
EI2214	Negative Electrode casing with wire & electrode	1	16200
EI2215	Positive Electrode casing with wire & electrode	1	16200

“**NEW** ADDITION”

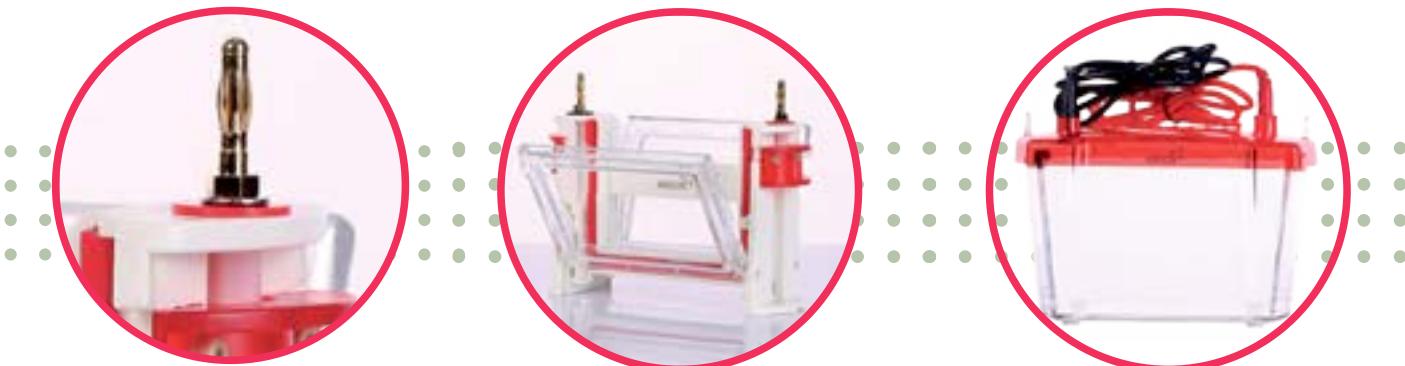
Abdos Vertical Range of Electrophoresis

CompactPAGE

Abdos introduces Mini Moulded Vertical Electrophoresis, **CompactPAGE**, an Innovative and Feature rich design to run all manual PAGE & SDS-PAGE applications.



Screw-free Leak Proof Gel Casting System



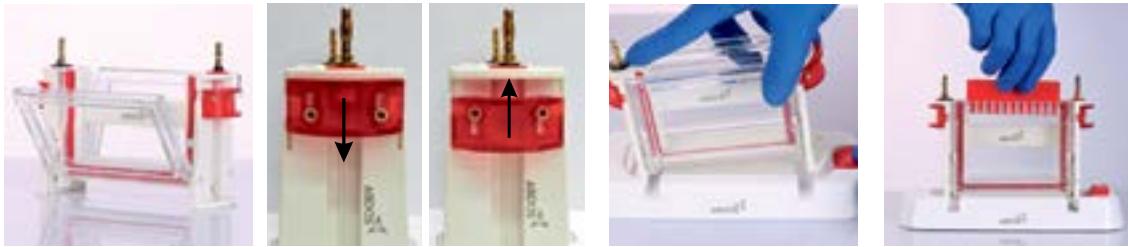
Gold Plated Electrodes and Pure Platinum Wire

Specially designed Inner Module for Casting and Running

Single Moulded Tank with Safety lid & Thumb Locators

- The all-new CompactPAGE has a single moulded construction making the system lightweight, enduring, and leakproof.
- CompactPAGE comes with a screw-free innovative module to support running and casting so that users don't have to remove the glass plates after the gel is cast.
- It also has a unique casting system that doesn't give direct pressure on the glass plates, secondly the frame holds the glass plates strong and saves from breakage.
- The easy casting base comes with the system as standard that doesn't require any extra effort on screwing the module and seals it completely for leakproof gel casting.
- Glass plates come with attached spacers to support leakproof gel casting.
- Wide range of combs and spacer plate options.

CompactPAGE - Innovative & Fast Casting



- Place the inner module on a leveled surface.
- Insert the glass plate set on both sides.
- Pull up the Red side lock to the close the module.
- Place the module set over the casting system.
- Push the side lock to close.
- Load the gel between the glass plates.
- Insert the combs without creating bubbles.
- Leave for solidification.

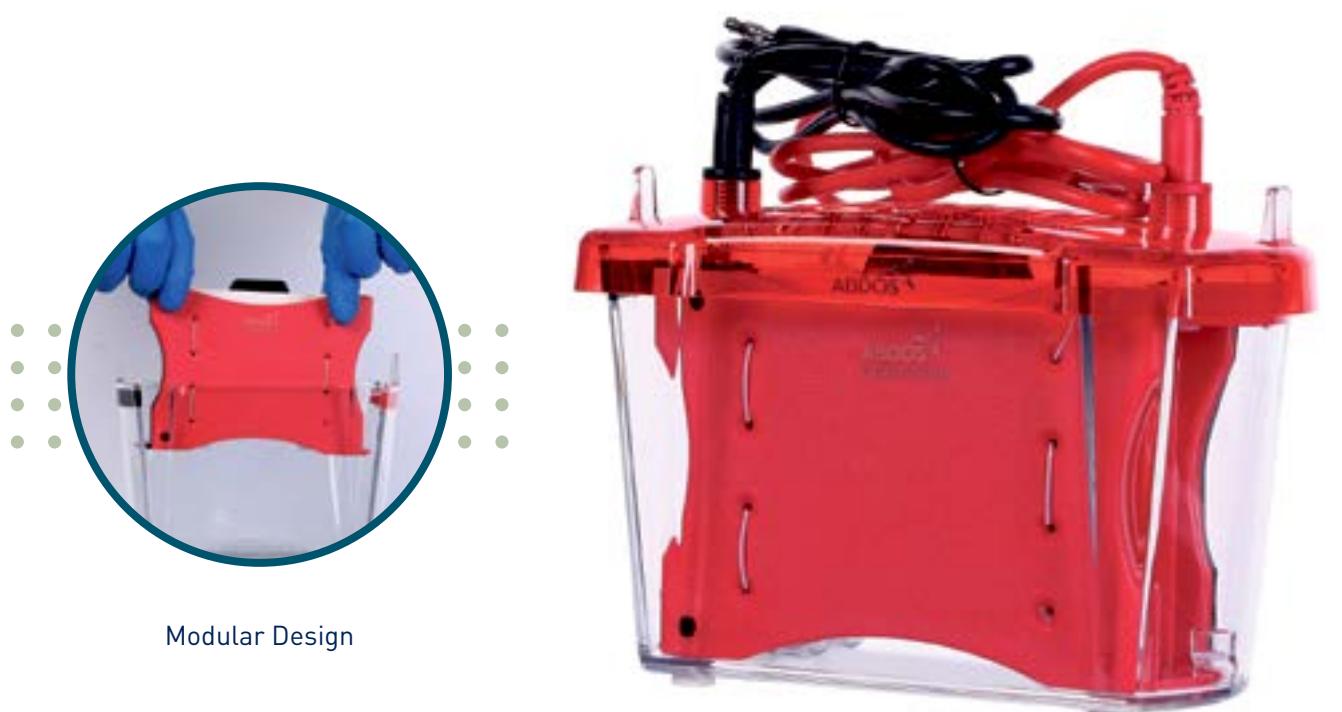
Model	ABDOS CompactPAGE Mini Moulded Vertical Electrophoresis
Dimensions (LxWxH)	10.8 x 12.5 x 18.5 cm
Construction Material	Polycarbonate
Gel Size (WxH) / Capacity	8.3 x 7.3 cm / 2 Gels
Maximum Buffer Required	500ml (Minimum 300ml)
Electrodes, Wires	Brass with Gold Plating, Platinum
Standard Combs	11 wells – 1 mm & 1.5 mm (2 Nos each)
Standard Spacers	Glass, 1 mm & 1.5 mm attached with plain plates
Maximum Sample Capacity	30 samples
Time Consumed	1.5-2 hours
Recommended Power Supply	EI2377

ABDOS CompactPAGE Mini Moulded Vertical Electrophoresis			
Code	Product	No./case	Price/case (₹)
EI2300	CompactPAGE Mini Moulded Vertical Electrophoresis System, includes – a running tank, lid, buffer dam plate, casting/running module with electrodes and platinum wires, casting base, 2 sets of glass plates of 1mm & 1.5mm thick attached spacers, 2 sets of 11 well combs of 1mm & 1.5mm thick, a pair of connecting cords, replacement gaskets, and gel releasers	1	65000
Spare Accessories			
Code	Product	No./case	Price/case (₹)
EI2301	CompactPAGE Electrophoresis Running Module with Platinum Wire	1	54500
EI2302	Gel Casting Base for COMPACTPAGE	1	11950
EI2303	CompactPAGE Electrophoresis System Upper Lid with Power Cables/connecting cords	1	5120
EI2304	CompactPAGE Buffer tank, No. Per Case – 1	1	6830
EI2305	CompactPAGE Connecting Cables	1 Pair	1705
EI2306	CompactPAGE Buffer Dam Plate	1	1705
EI2307	CompactPAGE Gel Releaser	1	1022
EI2308	CompactPAGE Replacement Gaskets	1	1705
EI2314	Plain Glass Plate, 1.0mm attached spacers, with reference line	5 Plates	6274
EI2315	Glass Plate Set, 1.0mm Spacer Plate, and Short Plate, with reference line	1 Set	1433
EI2316	Plain Glass Plate with 1.5mm attached spacers, with reference line	5 Plates	6274
EI2317	Glass Plate Set, with 1.5 mm attached spacers and Short Plate, with reference line	1 Set	1433
EI2318	Short Glass Plate	5 Plates	1792
EI2319	1.0mm thick, 10 well comb	2 Combs	1434
EI2320	1.5mm thick, 10 well comb	2 Combs	1434
EI2321	1.0mm thick, 11 well comb	2 Combs	1434
EI2322	1.5mm thick, 11 well comb	2 Combs	1434
EI2323	1.0mm thick, 15 well comb	2 Combs	1434
EI2324	1.5mm thick, 15 well comb	2 Combs	1434

“**NEW** ADDITION”

CompactBLOT Mini Wet Blot System

Abdos introduces Mini Moulded Wet Blotting Transfer System, **CompactBLOT**, an Innovative and Feature rich modular design to run western blotting applications.



Modular Design



Smooth Cassette Locking

Holding Clips with every
Cassette

Single Moulded Tank with
Safety lid & Thumb Locators

- Can transfer up to 2 gels of 9x7cm (WxH).
- Transfer module is compatible to use with CompactPAGE E12300 vertical electrophoresis tank.
- Can utilize the same tank to run Vertical Electrophoresis and Western Blot in the same tank one after the other.
- Single moulded high transparency polycarbonate tank.
- Distinct positive and negative transfer cassettes makes it easy to handle and operate.
- Transfer cassette comes with a handle for easy handling without disturbing the gel.
- Hinges connects the negative and positive cassette for easy handling without disturbing the gel and transfer membrane.
- Can be used with ice buckets for cooling to avoid overheating of buffer.



Model	ABDOS CompactBLOT Mini Western Blot		
Dimensions (DxWxH)	10.8 x 12.5 x 18.5cm		
Construction Material (Tank)	Polycarbonate		
Gel Size (WxH) / Capacity	9 x 7cm / 2 Gels		
Maximum Buffer Requirement	500ml		
Maximum Voltage	200V		

ABDOS CompactBLOT Mini Wet Blot Transfer System			
Code	Product	No./case	Price/case (₹)
E12325	CompactBLOT Mini Wet Blot Complete System with CompactBLOT Transfer Module with Cassettes, Running Tank, LID, a Pair of Cables and Blotting Papers.	1	72000

Spare Accessories			
Code	Product	No./case	Price/case (₹)
E12311	Western Blot Transfer Module with Cassettes	1	65000
E12310	Western Blot Transfer Module without Cassettes	1	55000
E12309	Western Blot Cassette	1	6673



Abdos Compact Range

ABDOS VERTICAL DUAL MINI GEL SYSTEM

- Abdos Vertical dual mini system is designed to run two mini PAGE or SDS-PAGE hand cast gels.
- The system comes with standard casting unit, combs & spacers of 1 & 1.5mm thickness & a set of glass plates.
- Low buffer consumption design having small footprint area, occupies minimal lab bench space.



ABDOS Vertical Dual Mini Gel System

Code	Product	No./case	Price/case (₹)
EI2226	Vertical Mini Dual Gel System Includes – Dual Vertical Assembly, 2 sets of Glass Plates (Rectangular & Notched), 7 wells 2 Combs each of 1 mm & 1.5mm thickness,4 nos. spacers of 1 mm & 1.5 mm Thickness, Gel Casting Stand - 1No, Supporting Screws-2 No's, Safety Lid - 1 No, Connecting Cord - 1 Pair	1	27349

Spare Accessories			
Code	Product	No./case	Price/case (₹)
EI2227	Glass Plates(Notched & Rectangular)	1 Set	1736
EI2229	Teflon Comb 7 well 0.5 mm	1	1852
EI2230	Teflon Comb 7 well 0.75 mm	1	1852
EI2231	Teflon Comb 7 well 1.0 mm	1	1852
EI2232	Teflon Comb 7 well 1.5 mm	1	1852
EI2233	Teflon Comb 10 well 0.5 mm	1	2315
EI2234	Teflon Comb 10 well 0.75 mm	1	2315
EI2235	Teflon Comb 10 well 1.0 mm	1	2315
EI2236	Teflon Comb 10 well 1.5 mm	1	2315
EI2237	Teflon Spacers 0.5 mm	1 Pack	1389
EI2238	Teflon Spacers 0.75 mm	1 Pack	1389
EI2239	Teflon Spacers 1.0 mm	1 Pack	1389
EI2240	Teflon Spacers 1.5 mm	1 Pack	1389
EI2244	Connecting Cords	1 Set	1620

MODEL	VERTICAL MINI DUAL GEL SYSTEM
Dimensions (LXWXH)	14.5 X 20.5 X 15.5 cm
Construction Material	Acrylic
Gel Size (Max) (WxH)	8 X 7cm, 2 gels
Buffer Required	200 + 50 ml
Electrodes, Wires	Brass, Platinum
Standard Combs –Teflon	7 Well-1.0mm and 1.5mm (2 Nos each)
Standard Spacers- Teflon	1.0mm and 1.5mm (2Nos each)
Maximum Sample Capacity	20
Time Consumed	2 to 3 hrs.
Recommended Power Supply	E121377

ABDOS VERTICAL MIDI – GEL SYSTEM

- The system is a designed to run One 16x14cm midi hand cast PAGE & SDS PAGE gels.
- Ventilation holes in the system prevent the build-up of condensation during electrophoresis.
- The system comes with standard casting unit, combs & spacers of 1 & 1.5mm thickness & a set of glass plates.
- Low buffer consumption design having small footprint area, occupies minimal lab bench space.



ABDOS Vertical Midi Gel Electrophoresis System

Code	Product	No./case	Price/case (₹)
EI2276	Vertical Midi Gel System Includes: Midi Vertical Assembly, 2 sets of Glass Plates (Rectangular & Notched), 13 wells 2 Combs each of 1 mm & 1.5mm thickness,4 nos. spacers of 1mm & 1.5 mm Thickness, Gel Casting Stand - 1No, Supporting Screws-2 No's, Safety Lid - 1 No, Connecting Cord - 1 Pair	1	30995

Spare Accessories			
Code	Product	No./case	Price/case (₹)
EI2277	Glass Plates(Notched & Rectangular)	1 Set	2315
EI2281	Teflon Comb 13 well 0.5 mm	1	2578
EI2282	Teflon Comb 13 well 1.0 mm	1	2578
EI2283	Teflon Comb 13 well 1.5 mm	1	2578
EI2284	Teflon Comb 20 well 0.5 mm	1	2578
EI2295	Teflon Comb 20 well, 1 mm	1	2578
EI2296	Teflon Comb 20 well, 1.5 mm	1	2578
EI2285	Teflon Spacers 0.5 mm	1	1736
EI2286	Teflon Spacers 1.0 mm	1	1736
EI2287	Teflon Spacers 1.5 mm	1	1736
EI2292	Leveling Screws	1 Pack	810
EI2244	Connecting Cords	1 Set	1620

MODEL	VERTICAL MIDI GEL SYSTEM
Dimensions (LXWXH)	25 x 20 x 27 cm
Construction Material	Acrylic
Gel Size (Max) (WxH)	16x14cm , 1 gel
Buffer Required	450ml
Electrodes, Wires	Brass, Platinum
Standard Combs –Teflon	13 Well-1.0mm and 1.5mm (2Nos each)
Standard Spacers- Teflon	1.0mm and 1.5mm (2Nos each)
Maximum Sample Capacity	20
Time Consumed	4 to 5 hrs.
Recommended Power Supply	E12377

ABDOS VERTICAL DUAL MIDI GEL SYSTEM

- The system is a twin plate 16x14cm midi-gel unit designed specifically for PAGE & SDS-PAGE techniques requiring self-cast gels.
- The system comes with standard casting unit, combs & spacers of 1 & 1.5mm thickness & a set of glass plates.
- Low buffer consumption design having small footprint area, occupies minimal lab bench space.



ABDOS Vertical Midi Dual Gel Electrophoresis System

Code	Product	No./case	Price/case (₹)
EI2326	Vertical Midi Dual Gel System Includes – Dual Midi Vertical Assembly, 2 sets of Glass Plates (Rectangular & Notched), 13 wells 2 Combs each of 1 mm & 1.5mm thickness, 4 nos. spacers of 1mm & 1.5 mm Thickness, Gel Casting Stand – 1No, Supporting Screws-2 No's, Safety Lid – 1 No, Connecting Cord – 1 Pair	1	46822

Spare Accessories

Code	Product	No./case	Price/case (₹)
EI2327	Glass Plates(Notched & Rectangular)	1 Set	2083
EI2331	Teflon Comb 13 well 0.5 mm	1	2894
EI2332	Teflon Comb 13 well 1.0 mm	1	2894
EI2333	Teflon Comb 13 well 1.5 mm	1	2894
EI2334	Teflon Comb 20 well 0.5 mm	1	2578
EI2295	Teflon Comb 20 well, 1 mm	1	2578
EI2296	Teflon Comb 20 well, 1.5 mm	1	2578
EI2335	Teflon Spacers 0.5 mm	1	2315
EI2336	Teflon Spacers 1.0 mm	1	2315
EI2337	Teflon Spacers 1.5 mm	1	2315
EI2342	Leveling Screws	1	810
EI2244	Connecting Cords	1 Set	1620



MODEL

VERTICAL MIDI GEL SYSTEM

Dimensions (LxWxH)	23 x 18 x 27.5 cm
Construction Material	Acrylic
Gel Size (Max) (WxH)	16x14cm , 2 gel
Buffer Required	200+250ml
Electrodes, Wires	Brass, Platinum
Standard Combs –Teflon	13 Well-1.0mm and 1.5mm (2Nos each)
Standard Spacers- Teflon	1.0mm and 1.5mm (2Nos each)
Maximum Sample Capacity	40
Time Consumed	2 to 5 hrs.
Recommended Power Supply	EI2377

VERTICAL ELECTROPHORESIS SELECTION GUIDE

	E12300 CompactPAGE	E12226 Dual Mini	E12276 Midi	E12326 Dual Midi
UNIT				
DIMENSIONS (LXWXH)	10.8 x 12.5 x 18.5 cm	14.5 x 20.5 x 15.5 cm	25 x 20 x 27 cm	23 x 18 x 27.5 cm
MATERIAL OF CONSTRUCTION	PC	Acrylic	Acrylic	Acrylic
GEL SIZE (WXL)	8.3 x 7.3 cm (2 Gels)	8 x 7 cm (2 Gels)	16 x 14 cm (1 Gel)	16 x 14 cm (2 Gels)
BUFFER REQUIRED	500ml	250ml	450ml	500ml
MAXIMUM SAMPLE CAPACITY	30 Samples	20 Samples	20 Samples	40 Samples
RECOMMENDED POWER SUPPLY	E12377	E12377	E12377	E12377

124

ABDOS PROGRAMMABLE POWER SUPPLIES

NEW

- Abdos programmable power supplies are compact comes with 300V, 400mV and 120W.
- Large Digital Display for input and output values.
- Runs Four Gels simultaneously with Parallel outputs.
- 16 programs memory
- Safety Features - Short circuit & overload protection, Pause Key, Auto Recovery after Power failure, timer function up to 23.59 hours, audio & visual alarm.



Code	Product Description	No./case	Price/case (₹)
E12377	Microprocessor Based Programmable Power Supply, 0-300V, 0-400mA, 120W, 4 Outputs	1	71400

MODEL	E12377
Dimensions (LXWXH)	24 x 20 x 12 cm
Construction Material	MS Powder Coated
Output Voltage	0 – 300V (increment by 1V)
Output Current	0-400mA (increment by 1mA)
Output Wattage	120 W
Output Terminals	4 Parallel Output
Timer	0-23.59 Hours
Storage	16 Programs
Input Rating	200-260vac/50hz



ABDOS SINGLE WAVELENGTH UV TRANSILLUMINATORS

NEW



- Abdos offers three models in its single wavelength UV transilluminator
- range from 254, 312 & 365nm.
- Compact 20x20cm size, Comes with UV protection filter cover for added safety.
- Flicker free Six UV tubes of 8 watts ensures even distribution of light for better viewing of EtBr Stained bands.



ABDOS Single Wavelength UV Transilluminators – Ordering Information

Code	Product Description	No./case	Price/case (₹)
EI2380	Single wavelength UV Transilluminator, 254nm, 20x20cm	1	131250
EI2381	Single wavelength UV Transilluminator, 312nm, 20x20cm	1	131250
EI2382	Single wavelength UV Transilluminator, 365nm, 20x20cm	1	131250

MODEL	EI2380	EI2381	EI2382
Dimensions (LXWXH)	35x30x15cm	35x30x15cm	35x30x15cm
Construction Material	MS Powder Coated	MS Powder Coated	MS Powder Coated
Viewing Area	20x20cm	20x20cm	20x20cm
Wavelength	254nm	312nm	365nm
Detection Limit	1ng	1ng	1ng
No of UV Tubes	6 Nos	6 Nos	6 Nos
Wattage	8 Watt Each	8 Watt Each	8 Watt Each
Filter	UV Protection Filter	UV Protection Filter	UV Protection Filter

ABDOS DUAL WAVELENGTH UV TRANSILLUMINATORS

NEW



- Abdos Dual wavelength UV transilluminators offers widest range of versatility with its two combinations of 254/365 nm & 365/312 nm.
- Compact 20x20cm size comes with UV protection filter cover for added safety.
- Flicker free Eight UV tubes of 8 watts ensures even distribution of light for better viewing of EtBr Stained bands.
- Button to switch between the two wavelengths with markings.



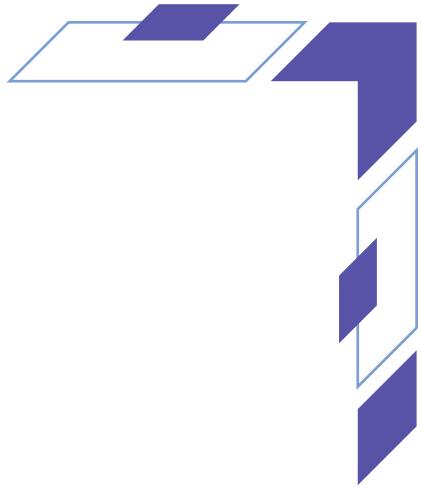
ABDOS Dual Wavelength UV Transilluminators – Ordering Information

Code	Product Description	No./case	Price/case (₹)
EI2385	Dual wavelength UV Transilluminator, 254/365nm, 20x20cm	1	136500
EI2388	Dual wavelength UV Transilluminator, 365/312nm, 20x20cm	1	141750

MODEL	EI2385	EI2388
Dimensions (LXWXH)	35x30x15cm	35x30x15cm
Construction Material	MS Powder Coated	MS Powder Coated
Viewing Area	20x20cm	20x20cm
Wavelength	254/365nm	365/312nm
Detection Limit	1ng	1ng
No of UV Tubes	8 Nos	8 Nos
Wattage	8 Watt Each	8 Watt Each
Filter	UV Protection Filter	UV Protection Filter



Quality means
doing it right even
when no one is looking



08

Multipurpose Racks and Boxes

Rotator Workstation
Multi Combination Racks
Frosty Mate Racks
Storage Racks
Test Tube Racks



ROTATOR WORKSTATION, PP

- Abdos rotator workstation is a unique ultimate workstation helping you organize your laboratory work.
- Cube shaped multi-hole rack suitable for different products, has a unique rotate and lock design that helps add or subtract racks according to end user's needs.
- These racks can withstand temperature range from -80°C to 121°C.



Code	Tube Capacity	L x W x H	No./case	Price/case (₹)
P20208	PCR Tubes & Plates, 0.5ml & 1.5ml & 2.0ml, 15ml & 50ml	108 x 68 x 108 mm	4 (assorted colours)	3163

Product Compatibility chart for Rotatory Workstation:

PRODUCT	NO. PER UNIT
50 ml Centrifuge Tube	2 per unit
15 ml Centrifuge Tube	8 per unit
1.5 ml or 2.0 ml Micro Centrifuge Tube	9 per unit
0.5 ml Micro Centrifuge Tube	6 per unit
PCR Plates (unskirted or semi skirted 96 well)	1 per 2 unit locked together
PCR 8-tube strip	6 per unit
PCR 12-tube strip	8 per 2 unit
PCR 0.2 ml tubes	48 per unit

Assorted colours consist of Blue (B), Green (G), Yellow (Y) & Red (R).

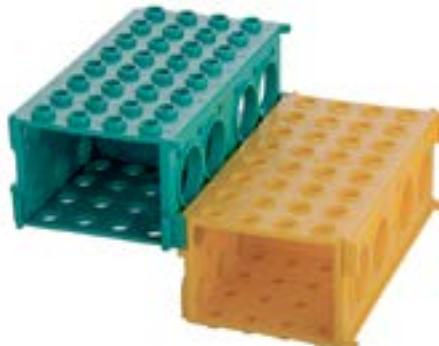


MULTI COMBINATION RACKS, PP

- Abdos multi-combination rack is a unique combination for various tubes and vials.
- Multi-Hole for keeping different products as per own requirement, and has a unique rotate and lock design that helps add or subtract racks according to end user's needs.
- These racks can withstand a temperature of -80°C to 121°C.



Code	Tube Capacity	L x W x H	No./case	Price/case (₹)
P20209	0.5ml & 1.5ml & 2.0ml, 12 x 75 Tube, 15ml & 50ml	175 x 90 x 65 mm	4 (assorted colours)	1469



Product Compatibility chart for Rotatory Workstation:

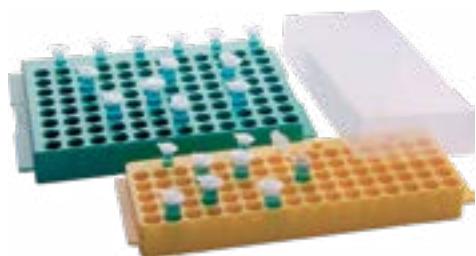
PRODUCT	NO. PER UNIT
50 ml Centrifuge Tube	4 per unit
15 ml Centrifuge Tube	12 per unit
1.5 ml or 2.0 ml Micro Centrifuge Tube	32 per unit
0.5 ml Micro Centrifuge Tube	32 per unit
RIA Vial 12 x 75 mm (5ml tube)	32 per unit

Assorted colours consist of Blue (B), Green (G), Yellow (Y) & Red (R).



129 REVERSIBLE RACK WITH COVER, PP

- Manufactured in the state of the art facility using high purity virgin polypropylene.
- Hold micro centrifuge tubes of 1.5/2.0ml on one side and 0.5ml tubes on the other.
- 16 x 5 Array on the 80 Place rack for 0.5, 1.5 & 2.0 ml micro centrifuge tubes and 12 x 8 array on the 96 place rack for 0.5, 1.5 ml & 2.0 ml micro centrifuge tubes.
- Moulded Indexing for easy reference of tubes and vials.



Code	Tubes Capacity	Places	L x W x H	No./case	Price/case (₹)
P20206	1.5/2.0 ml & 0.5 ml	96 (12 x 8 Array)	220 x 150 x 50 mm	6	3761
P20206 Assorted	1.5/2.0 ml & 0.5 ml	96 (12 x 8 Array)	220 x 150 x 50 mm	6 (2 pieces of each colour)	3761
P20207	1.5/2.0 ml & 0.5 ml	80 (16 x 5 Array)	240 x 85 x 50 mm	6	2001
P20207 Assorted	1.5/2.0 ml & 0.5 ml	80 (16 x 5 Array)	240 x 85 x 50 mm	6 (2 pieces of each colour)	2001

Add colour of your choice- Green (G), Yellow (Y), Blue (B).

130 TWISTY TUBE RACK, PP

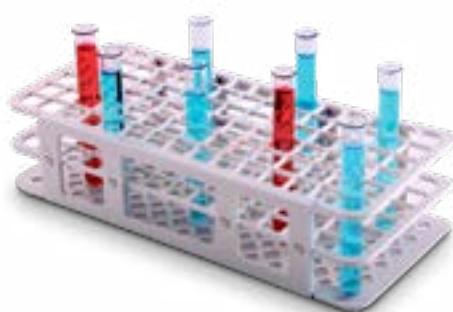
- These racks make dilution and concentration study easier as they can transfer samples between 0.2ml PCR tubes to 0.5, 1.5 and 2.0ml tubes.
- Can be rotated and customized according to the end-user application.
- These racks have tapered wells that securely suspend tubes and make removal easy.
- Moulded in indexing for easy retrieval of tubes.
- These Racks can withstand a temperature of -80°C to 121°C.
- The Blue section holds 48 (0.5ml) tubes and the reverse side holds 48 (1.5ml) tubes whereas the purple section holds 96 (0.2ml) tubes and 48 (1.5ml) tubes on the reverse side.



Code	Tubes Capacity	Colour	Places	L x W x H	No./case	Price/case (₹)
P20210	0.2ml, 0.5ml, 1.5ml & 2.0 ml	Blue, Purple	0.2 ml - 96 0.5 ml - 48 1.5/2.0 ml - 48	296 x 118 x 34 mm	1 Kit (Blue + Purple)	4103

131 POLYGRID TEST TUBE RACKS, PP

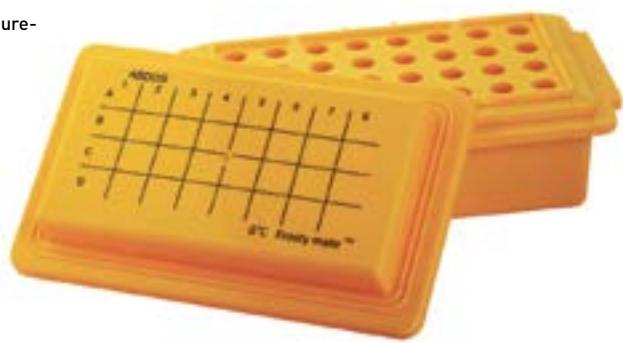
- Manufactured in the state of the art moulding facility using high purity virgin polypropylene (PP).
- Can be used in a wide temperature range.
- Racks have precise grid and vents.
- Superior chemical resistance.



Code	Tube	Places	L x W x H	No./case	Price/case (₹)
P20716	13 mm	90 Places	248 x 116 x 64 mm	4	1618
P20717	17 mm	60 Places	245 x 116 x 70 mm	4	1618
P20718	21 mm	40 Places	248 x 116 x 70 mm	4	1618

Add colour of your choice- White (W), Blue (B).

- These racks have consistent thermal protection to maintain low temperatures.
- These racks are suitable for storage for PCR reagents, cells, enzymes or other temperature-sensitive reagents for protecting the critical sample from temperature fluctuations.
- Moulded indexing makes identification faster and easier.
- These racks are available in two temperature ranges:
 - (a) -20°C unit will maintain a temperature between -10°C & -20°C for up to three hours.
 - (b) 0°C unit will maintain a temperature of 0°C for 5 hours.
- These racks are filled with an inert, non-toxic gel.



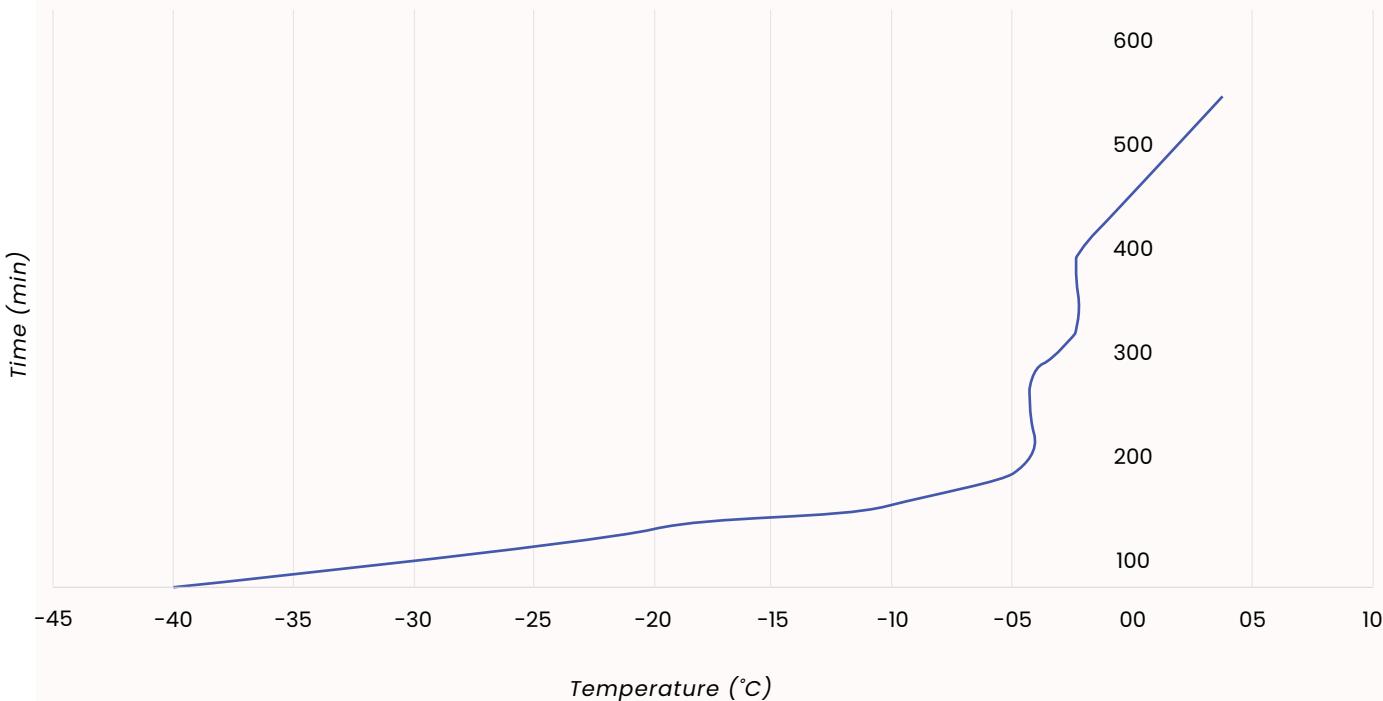
-20°C Frosty Mate™ Freezer Storage Racks

Code	Capacity	Places	L x W x H	No./case	Price/case (₹)
PIII04	1.5 - 2.0 ml Micro Tube, 1.0 - 2.0 ml Cryo Tube & 0.5 ml Micro Tube with external attachment	32 (8 x 4 Array)	240 x 120 x 120 mm	1	8756

0°C Frosty Mate™ Freezer Storage Racks

Code	Capacity	Places	L x W x H	No./case	Price/case (₹)
PIII05	1.5 - 2.0 ml Micro Tube, 1.0 - 2.0 ml Cryo Tube & 0.5 ml Micro Tube with external attachment	32 (8 x 4 Array)	240 x 120 x 120 mm	1	8756

Graph representing temperature stability VS Time



Note - Before use, Frosty Mate™ should be kept for 24 hours at - 40°C temperature deep freeze.

- These racks maintain a temperature of less than 4°C for about 3.5 hours (when the lid is on the rack) at room temperature.
- Frosty Mate™ can be used to transport biological samples, chemicals etc. at a stable temperature for a long period.
- Consistently cooled samples – FROSTY MATE™ colour changes drastically when the temperature samples drops below 4°C.
- A clear visible colour change from Green to Yellow.



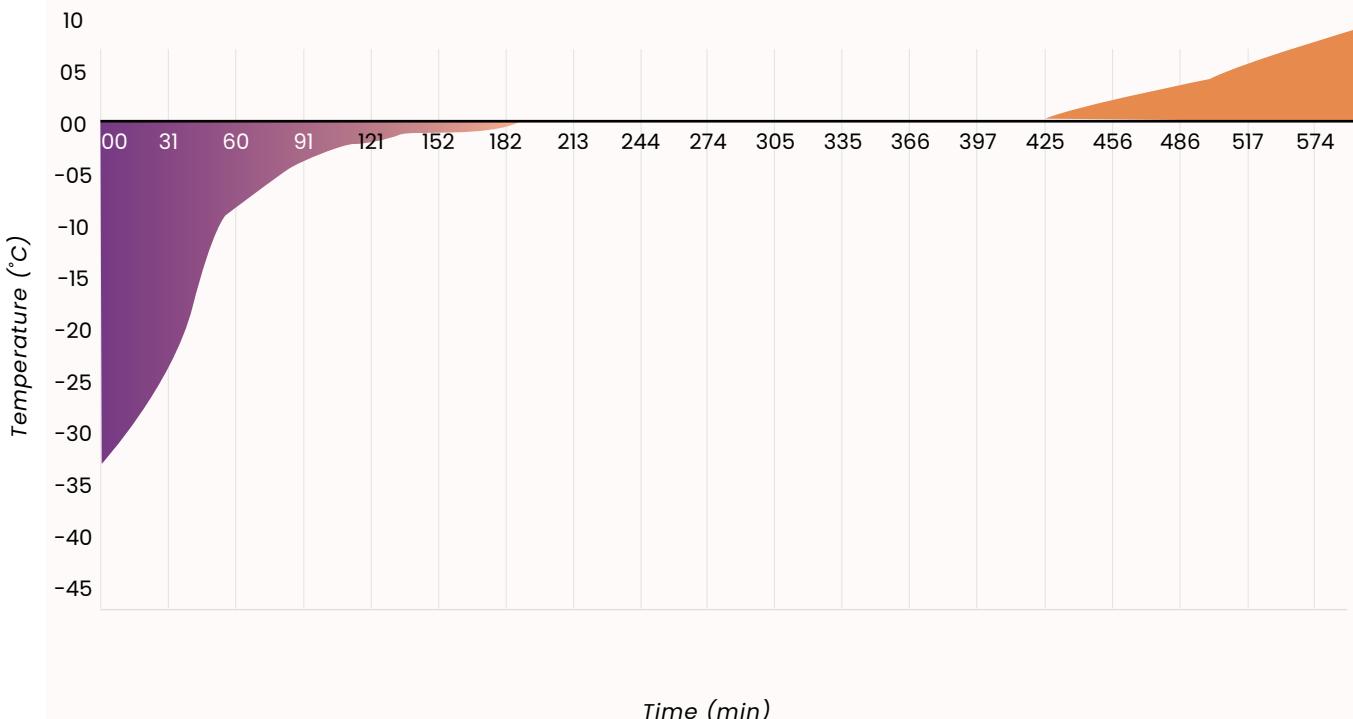
MCT Freezer Change Racks

Code	Colour at cold temperature	Colour at warm temperature	Capacity	Places	L x W x H	No./case	Price/case (₹)
P11106	Green	Yellow	1.5 - 2 ml Micro Tube & 0.5 ml Micro Tube with external attachment	24 (6 x 4 Array)	150 x 100 x 75 mm	1	6921

PCR Freezer Change Racks, PP

Code	Colour at cold temperature	Colour at warm temperature	Capacity	Places	L x W x H	No./case	Price/case (₹)
P11107	Green	Yellow	PCR tubes/ 96 well plates/ strip tubes	96 (12 x 8 Array)	150 x 100 x 75 mm	1	6921

Graph representing temperature stability VS Time

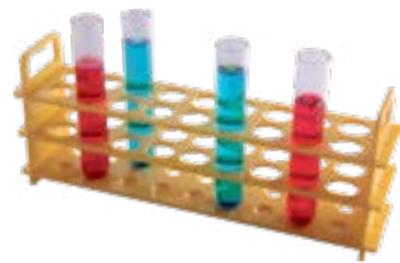


Note - Before use, Frosty Mate™ should be kept for 24 hours at - 40°C temperature deep freeze.

134

TEST TUBE RACK, RPP & PC

- Holes are aligned with moulded-in numbers and letters for easy identification.
- Ergonomics design facilitates easy handling.
- Can be used in a wide temperature range.
- Superior chemical resistance.



Test Tube Rack, RPP

Code	Tube	Places	Capacity	L x W x H	No./case	Price/case (₹)
P20701	13 mm	31 Places	White, Yellow, Blue	275 x 65 x 110 mm	4	1300
P20702	16 mm	31 Places	White, Yellow, Blue	275 x 65 x 110 mm	4	1300
P20703	20 mm	20 Places	White, Yellow, Blue	324 x 73 x 127 mm	4	1498
P20704	25 mm	18 Places	White, Yellow, Blue	324 x 73 x 127 mm	4	1498
P20705	32 mm	12 Places	White, Yellow, Blue	280 x 84 x 127 mm	4	1731

Test Tube Rack, PC

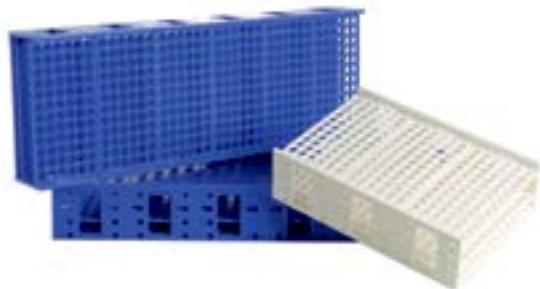
Code	Tube	Places	Capacity	L x W x H	No./case	Price/case (₹)
P20706	13 mm	31 Places	White, Yellow, Blue	275 x 65 x 110 mm	4	2581
P20707	13 mm	62 Places	White, Yellow, Blue	275 x 133 x 112 mm	2	2573
P20708	16 mm	31 Places	White, Yellow, Blue	275 x 65 x 110 mm	4	2581
P20709	16 mm	62 Places	White, Yellow, Blue	275 x 133 x 112 mm	2	2573
P20710	20 mm	20 Places	White, Yellow, Blue	324 x 73 x 127 mm	4	2873
P20711	20 mm	40 Places	White, Yellow, Blue	324 x 143 x 127 mm	2	2873
P20712	25 mm	18 Places	White, Yellow, Blue	324 x 73 x 127 mm	4	2873
P20713	25 mm	36 Places	White, Yellow, Blue	324 x 143 x 127 mm	2	2873
P20714	32 mm	12 Places	White, Yellow, Blue	280 x 84 x 127 mm	4	3265
P20715	32 mm	24 Places	White, Yellow, Blue	280 x 170 x 128 mm	2	3265

Add colour of your choice- White (W), Yellow (Y), Blue (B).

135

DOUBLE JUMBO TEST TUBE RACK, RPP

- These innovative double jumbo test tube racks are used for high capacity storage for tubes, vials and vessels.
- Extremely suitable for high throughput labs requiring large sample storage.
- Manufactured from robust, sturdy and lightweight material suitable for easy movement and transport.
- Holes are aligned with moulded-in numbers and letters for easy identification.
- Due to its sheer size, these racks eliminates the risk of using other multiple racks.
- Double Jumbo racks can be used for storing various grouping samples.



Double Jumbo Test Tube Rack, RPP

Code	Tube	Places	Capacity	L x W x H	No./case	Price/case (₹)
P20441	10 - 13 mm	432 Places	White, Blue	673 x 230 x 80 mm	1	9887
P20442	13 - 16 mm	240 Places	White, Blue	521 x 260 x 89 mm	1	9887

Jumbo Test Tube Rack, RPP

Code	Tube	Places	Capacity	L x W x H	No./case	Price/case (₹)
P20443	10 - 13 mm	216 Places	White, Blue	337 x 267 x 91 mm	1	5226
P20444	13 - 16 mm	120 Places	White, Blue	337 x 267 x 91 mm	1	5226

Add colour of your choice- White (W), Blue (B).

- Polywire racks are made of a single continuous mold, so no assembly required as there are no detachable pieces.
- Manufactured from Delrin®, a material that is incredibly durable and highly resistant to heat, acid and bases.
- Superior performance to Nylon.
- Moulded indexing for easy identification.
- These racks have flat labelling area for easier identification.
- Stable in water bath.
- Can be used throughout a wide temperature range from - 40°C to 140°C.



Polywire Rack Half, Delrin

Code	Tube	Places	Colour	L x W x H	No./case	Price/case (₹)
P20720	13 mm	36 Places	White, Blue, Red	248 x 116 x 64 mm	4	4537
P20721	16 mm	36 Places	White, Blue, Red	245 x 118 x 70 mm	4	6046
P20722	20 mm (15 ml tube)	20 Places	White, Blue, Red	248 x 116 x 70 mm	4	6190
P20723	25 mm	16 Places	White, Blue, Red	120 x 122 x 92 mm	4	6190
P20724	30 mm (50 ml tube)	9 Places	White, Blue, Red	110 x 110 x 85 mm	4	6190

Polywire Rack Full, Delrin

Code	Tube	Places	Colour	L x W x H	No./case	Price/case (₹)
P20725	13 mm	72 Places	White, Blue, Red	104 x 202 x 59 mm	4	6047
P20726	16 mm	60 Places	White, Blue, Red	127 x 250 x 70 mm	4	8163
P20727	20 mm (15 ml tube)	40 Places	White, Blue, Red	100 x 252 x 83 mm	4	8315
P20728	25 mm	40 Places	White, Blue, Red	120 x 300 x 92 mm	4	10582
P20729	30 mm (50 ml tube)	24 Places	White, Blue, Red	110 x 282 x 85 mm	4	10582

Add colour of your choice- White (W), Blue (B), Red (R).



Organization: TIFR Hyderabad

“ Unique and handy product ”

Ease of Use

Average Rating 5.0

After Sales Service

Application Area: Bench work

Value for Money

This multi utility workstation has helped to keep the work bench neat and tidy. It can hold different products at the same time. They are quiet flexible and easy to use.

Review Date: 12 Jul 2023 | Abdos





Cost might look more important than quality but quality is the best way to reduce overall cost

09

Bottles & Carboys

Narrow & Wide Mouth Bottles

Aspirator Bottles

Carboys & More



137 NARROW MOUTH BOTTLE, PP

- These bottles come with inner thread for superior sealing and better security.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11135	4 ml	12.2 mm	39.0 mm	72	848
P11136	8 ml	17.5 mm	42.3 mm	72	1094
P11137	15 ml	17.5 mm	56.1 mm	72	1261
P11138	30 ml	17.5 mm	60.0 mm	72	1697
P11131	60 ml	17.5 mm	82.4 mm	72	2282
P11132	125 ml	21.0 mm	97.6 mm	72	3133
P11133	250 ml	21.0 mm	130.7 mm	72	5068
P11134	500 ml	24.6 mm	165.5 mm	48	4505
P11139	1000 ml	52.1 mm	221.5 mm	24	4227



138 NARROW MOUTH BOTTLE, LDPE

- These bottles come with inner thread for superior sealing and better security.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.
- Suitable for storage of low-density liquids.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11146	8 ml	17.5 mm	42.3 mm	72	848
P11147	15 ml	17.5 mm	56.1 mm	72	1018
P11148	30 ml	17.5 mm	60 mm	72	1434
P11141	60 ml	17.5 mm	82.4 mm	72	1868
P11142	125 ml	21 mm	97.6 mm	72	2528
P11143	250 ml	21 mm	130.7 mm	72	4044
P11144	500 ml	24.6 mm	165.5 mm	48	3312
P11149	1000 ml	52.1 mm	221.5 mm	24	3153



139 NARROW MOUTH BOTTLE, HDPE

- These bottles come with inner thread for superior sealing and offers higher strength.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.
- Compatible with a wide range of laboratory reagents.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11155	4 ml	12.2 mm	39.0 mm	72	754
P11156	8 ml	17.5 mm	42.3 mm	72	1018
P11157	15 ml	17.5 mm	56.1 mm	72	1097
P11158	30 ml	17.5 mm	60.0 mm	72	1512
P11151	60 ml	17.5 mm	82.4 mm	72	2030
P11152	125 ml	21.0 mm	97.6 mm	72	2786
P11153	250 ml	21.0 mm	130.7 mm	72	4475
P11154	500 ml	24.6 mm	165.5 mm	48	3714
P11159	1000 ml	52.1 mm	221.5 mm	24	3477



140

AMBER NARROW MOUTH BOTTLE, HDPE

- These bottles come with inner threads for superior sealing and offers higher strength.
- Opaque amber colour reduces UV light transmissions to protect light sensitive samples.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying guaranteed through the inclination of shoulders.
- Compatible with a wide range of laboratory reagents.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11155A	4 ml	12.2 mm	39.0 mm	72	938
P11156A	8 ml	17.5 mm	42.3 mm	72	1188
P11157A	15 ml	17.5 mm	56.1 mm	72	1358
P11158A	30 ml	17.5 mm	60.0 mm	72	2039
P11151A	60 ml	17.5 mm	82.4 mm	72	2627
P11152A	125 ml	21.0 mm	97.6 mm	72	3541
P11153A	250 ml	21.0 mm	130.7 mm	72	5559
P11154A	500 ml	24.6 mm	165.5 mm	48	5002
P11159A	1000 ml	52.1 mm	221.5 mm	24	5351



141

NARROW MOUTH BOTTLE (CARBOY TYPE), PP

- These bottles come with long inner threads for superior sealing and better security.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11127	2000 ml	24.9 mm	248.1 mm	6	2872
P11128	4000 ml	25.6 mm	333 mm	6	5590
P11129	8000 ml	38.3 mm	410 mm	6	9579



142

WIDE MOUTH BOTTLE, PP

- These bottles come with inner threads for superior sealing and better security.
- Wide mouth of bottles allows for easy filling and emptying.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11160	30 ml	21.2 mm	58.9 mm	72	2039
P11161	60 ml	24.8 mm	81 mm	72	2716
P11162	125 ml	32 mm	94.5 mm	72	3711
P11163	250 ml	32.2 mm	126.7 mm	72	5818
P11164	500 ml	47.5 mm	163.2 mm	48	5224
P11169	1000 ml	61.5 mm	196.8 mm	24	4873



143 WIDE MOUTH BOTTLE, LDPE

- These bottles come with inner threads for superior sealing and better security.
- Wide mouth of bottles allows for easy filling and emptying.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.
- Suitable for storage of low-density liquids.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11170	30 ml	21.2 mm	58.9 mm	72	1697
P11171	60 ml	24.8 mm	81 mm	72	2203
P11172	125 ml	32 mm	94.5 mm	72	3051
P11173	250 ml	32.2 mm	126.7 mm	72	4716
P11174	500 ml	47.5 mm	163.2 mm	48	4327
P11175	1000 ml	61.5 mm	196.8 mm	24	3989



144 WIDE MOUTH BOTTLE, HDPE

- These bottles come with inner threads for superior sealing and better security.
- Wide mouth of bottles allows for easy filling and emptying.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.
- Compatible with a wide range of laboratory reagents.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11180	30 ml	21.2 mm	58.9 mm	72	1868
P11181	60 ml	24.8 mm	81 mm	72	2447
P11182	125 ml	32 mm	94.5 mm	72	3371
P11183	250 ml	32.2 mm	126.7 mm	72	5226
P11184	500 ml	47.5 mm	163.2 mm	48	4721
P11185	1000 ml	61.5 mm	196.8 mm	24	4389



145 AMBER WIDE MOUTH BOTTLE, HDPE

- These bottles come with inner thread for superior sealing and better security.
- Opaque amber colour reduces UV light transmissions to protect light sensitive samples.
- Wide mouth of bottles allows for easy filling and emptying.
- These bottles are used for packing, shipping and storage purposes.
- Superior resistance to chemicals.
- Complete emptying is guaranteed through the inclination of shoulders.
- Compatible with a wide range of laboratory reagents.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11180A	30 ml	21.2 mm	58.9 mm	72	2381
P11181A	60 ml	24.8 mm	81 mm	72	2957
P11182A	125 ml	32 mm	94.5 mm	72	4140
P11183A	250 ml	32.2 mm	126.7 mm	72	6320
P11184A	500 ml	47.5 mm	163.2 mm	48	5731
P11185A	1000 ml	61.5 mm	196.8 mm	24	6149



146

ASPIRATOR BOTTLE WITH STOPCOCK, PP

- Aspirator bottles are manufactured using high-purity virgin USP Class VI Medical grade polypropylene (PP).
- These bottles come with a secure sealing cap for better security and long-term storage.
- These bottles are used for storing and shipping reagents, chemicals, culture media, and standards.
- Sturdy and durable for extended use over time with a strong carrying handle.
- Comes with high quality, durable stopcock or tap for easy withdrawal of liquids, chemicals, reagents, culture media and standards.
- Can be used at a temperature below 0°C.
- Superior resistance to chemicals.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
PII515	5 LTS	51.4 mm	374 mm	1	2027
PII516	10 LTS	51.4 mm	445 mm	1	3317
PII517	20 LTS	51.4 mm	525 mm	1	4562
PII524	Stopcock			1	500



147

CARBOY, PP

- Abdos Carboys are manufactured using high-purity virgin USP Class VI Medical grade polypropylene (PP).
- These carboys come with a secure sealing cap for better security and long-term storage.
- These carboys are used for storing and shipping reagents, chemicals, culture media, and standards.
- These are very strong and durable for extended use over time with a strong carrying handle on both sides of the carboy.
- Can be used at a temperature below 0°C.
- Superior resistance to chemicals.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
PII518	10 LTS	63.8 mm	378 mm	1	2684
PII519	20 LTS	64.2 mm	525 mm	1	3806



148

CARBOY WITH STOPCOCK, PP

- Abdos Carboys are manufactured using high-purity virgin USP Class VI Medical grade polypropylene (PP).
- These carboys come with a secure sealing cap for better security and long-term storage.
- These carboys are used for storing and shipping reagents, chemicals, culture media, and standards.
- These are very strong and durable for extended use over time with a strong carrying handle on both sides of the carboy.
- Comes with high quality and durable stopcock or tap for easy withdrawal of liquids, chemicals, reagents, culture media and standards.
- Can be used at a temperature below 0°C.
- Superior resistance to chemicals.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
PII520	10 LTS	63.8 mm	378 mm	1	3806
PII521	20 LTS	64.2 mm	525 mm	1	5240
PII524	Stopcock			1	500



149 CARBOY WIDE MOUTH, PP

- Abdos Carboys are manufactured using high-purity virgin USP Class VI Medical grade polypropylene (PP).
- These carboys come with a secure sealing cap for better security and long-term storage.
- These carboys are used for storing and shipping reagents, chemicals, culture media, and standards.
- These are very strong and durable for extended use over time with a strong carrying handle on both sides of the carboy.
- Comes with wide mouth easy withdrawal and refill of liquids, chemicals, reagents, culture media and standards.
- Can be used at a temperature below 0°C.
- Superior resistance to chemicals.
- Wide mouth allows inlet & outlet of liquid more efficiently with chances of less spillage.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11522	10 LTS	76 mm	378 mm	1	2684
P11523	20 LTS	85 mm	525 mm	1	3806



150 HEAVY DUTY WIDE MOUTH CARBOY WITH STOPCOCK, HDPE

- Abdos Carboys are manufactured using high-purity virgin USP Class VI Medical grade polypropylene (PP).
- These carboys come with a secure sealing cap for better security and long-term storage.
- These carboys are used for storing and shipping reagents, chemicals, culture media, and standards.
- These heavy-duty carboys are large with wide mouth capable of handling large volume.
- These are very strong and durable for extended use over time with a strong carrying handle on both sides of the carboy.
- Comes with high quality and durable stopcock or tap for easy withdrawal of liquids, chemicals, reagents, culture media and standards.
- Superior resistance to chemicals & laboratory reagents.



Code	Capacity	Mouth Diameter	Height	No./case	Price/case (₹)
P11511	30 LTS	250 mm	440 mm	1	9947
P11512	50 LTS	250 mm	650 mm	1	14827
P11513	100 LTS	250 mm	800 mm	1	22335
P11510	Spare Stopcock	9 mm	NA	1	1196



151 SPRAY BOTTLE, LDPE

- These bottles are used to spray, clean and disinfect bench-top space, laminar flow, incubators, bench-top instruments and production floor.
- Can also be used for spraying into areas difficult to access as well as applications in thin-layer chromatography.
- Spray bottles have stable smooth operated pump triggers and adjustable spray nozzle that can be regulated from the finest mist to precise liquid jet.
- Superior resistance to chemicals.



Code	Capacity	No./case	Price/case (₹)
P11191	500 ml	6	4298
P11192	1000 ml	6	4688
P11200	Spare Pump	1	495



152

DROPPING BOTTLE EURO TYPE, LDPE

- These dropping bottles are used for routine storage and pouring applications in the laboratory.
- These bottles can be squeezed to ensure precise and steady dripping of liquid from the bottle.
- Moulded from high-quality virgin low-density polyethylene to ensure excellent results.
- Superior resistance to chemicals.



153

WASH BOTTLE, LDPE

- Moulded from high-quality virgin low-density polyethylene to ensure excellent results.
- These wash bottles are used for routine storage and pouring applications in the laboratory.
- These bottles have an internal spray to ensure precise dripping of liquid from the bottle.
- Superior chemical resistance.



154

WASH BOTTLE (COMET), LDPE

- Moulded from high-quality virgin low-density polyethylene to ensure excellent results.
- These wash bottles are used for routine storage and pouring applications in the laboratory.
- These bottles have an internal spray to ensure precise dripping of liquid from the bottle.
- These bottles are ideal for Distilled water and suitable for foodstuff.





Quality is not just what you put in it; it is what the user gets out of it

10

General Laboratory Products

Beakers & Measuring Cylinders
Volumetric Flasks & Desiccators
Safe Bottle Carrier
Scoops & Spatula
Stirrer Bars & More



BEAKERS WITHOUT HANDLE, PP & TPX

- Manufactured in state of the art moulding facility using high purity virgin polypropylene (PP) & polymethylpentene (TPX).
- PP Material conforming to US FDA 21 CFR.
- TPX Material has distinct advantage of high transparency & chemical resistivity, also has higher thermal withstand capacity over PP beakers.
- Tapered stacking style saves space and makes it easy to handle.
- All sizes have easy to read silk-screened graduations.
- Precise pouring spouts.



Beakers Without Handle, PP

Code	Capacity	Height	No./case	Price/case (₹)
P50601	50 ml	59 mm	12	342
P50602	100 ml	73 mm	12	384
P50603	250 ml	94 mm	12	681
P50604	500 ml	128 mm	6	525
P50605	1000 ml	150 mm	4	650
P50606	2000 ml	192 mm	4	1269
P50607	5000 ml	263 mm	2	1554
P50608	10000 ml	328 mm	1	1364

Beakers Without Handle, TPX

Code	Capacity	Height	No./case	Price/case (₹)
P50701	50 ml	59 mm	12	708
P50702	100 ml	73 mm	12	981
P50703	250 ml	94 mm	12	2040
P50704	500 ml	128 mm	6	1857
P50705	1000 ml	150 mm	4	1913
P50706	2000 ml	192 mm	4	3078
P50707	5000 ml	263 mm	2	3048
P50708	10000 ml	328 mm	1	3046

BEAKERS WITH HANDLE, PP & TPX



Beakers With Handle, PP

Code	Capacity	Height	No./case	Price/case (₹)
P50802	100 ml	73 mm	6	300
P50803	250 ml	94 mm	6	510
P50804	500 ml	128 mm	6	906
P50805	1000 ml	150 mm	4	1192
P50806	2000 ml	192 mm	4	1790
P50807	5000 ml	263 mm	2	1969
P50808	10000 ml	330 mm	1	1982

Beakers With Handle, TPX

Code	Capacity	Height	No./case	Price/case (₹)
P50902	100 ml	73 mm	6	633
P50903	250 ml	94 mm	6	1131
P50904	500 ml	128 mm	6	2046
P50905	1000 ml	150 mm	4	2398
P50906	2000 ml	192 mm	4	3539
P50907	5000 ml	263 mm	2	3100
P50908	10000 ml	330 mm	1	3100

157 | MEASURING CYLINDER, PP CLASS "B"

- Moulded-in large easy to read graduation.
- Moulded-in from highest quality translucent virgin polypropylene.
- Cylinders have generous pour spout for smooth flow of liquid during pouring.
- Hexagonal shape gives stability to the base.



Code	Capacity	Sub division	Error Limit	Height	No./case	Price/case (₹)
P50301	10 ml	0.2 ml	± 0.2 ml	138 mm	12	1887
P50302	25 ml	0.5 ml	± 0.5 ml	170 mm	12	2246
P50303	50 ml	1 ml	± 1 ml	198 mm	12	2535
P50304	100 ml	1 ml	± 1 ml	257 mm	6	1623
P50305	250 ml	2 ml	± 2 ml	314 mm	6	2608
P50306	500 ml	5 ml	± 5 ml	344 mm	3	1687
P50307	1000 ml	10 ml	± 10 ml	412 mm	3	2189
P50308	2000 ml	20 ml	± 20 ml	482 mm	3	5239



158 | MEASURING CYLINDER, TPX CLASS "B"

- These transparent graduated cylinders have excellent value.
- Moulded-in large, neat and easy to read graduations.
- Hexagonal shape gives stability to the base.
- Cylinders have generous pour spout for smooth flow of liquid during pouring.



Code	Capacity	Sub division	Error Limit	Height	No./case	Price/case (₹)
P50401	10 ml	0.2 ml	± 0.2 ml	138 mm	12	3135
P50402	25 ml	0.5 ml	± 0.5 ml	170 mm	12	4169
P50403	50 ml	1 ml	± 1 ml	198 mm	12	4779
P50404	100 ml	1 ml	± 1 ml	257 mm	6	2938
P50405	250 ml	2 ml	± 2 ml	314 mm	6	4698
P50406	500 ml	5 ml	± 5 ml	344 mm	3	3487
P50407	1000 ml	10 ml	± 10 ml	412 mm	3	5299
P50408	2000 ml	20 ml	± 20 ml	482 mm	3	9368



159 | MEASURING CYLINDER, TPX CLASS "A"

- These transparent graduated cylinders have excellent value.
- Moulded-in large, neat and easy to read graduations.
- Hexagonal shape gives stability to the base.
- Cylinders have generous pour spout for smooth flow of liquid during pouring.
- Meet accuracy requirements of class A under "DIN 12681/ISO 6706".
- Supplied with conformity test certificate that indicates batch number and year of production that is also marked on the cylinder.



Code	Capacity	Sub division	Error Limit	Height	No./case	Price/case (₹)
P50501	10 ml	0.2 ml	± 0.1 ml	138 mm	1	579
P50502	25 ml	0.5 ml	± 0.25 ml	170 mm	1	772
P50503	50 ml	1 ml	± 0.5 ml	198 mm	1	880
P50504	100 ml	1 ml	± 0.5 ml	257 mm	1	1094
P50505	250 ml	2 ml	± 1 ml	314 mm	1	1734
P50506	500 ml	5 ml	± 2.5 ml	343 mm	1	2554
P50507	1000 ml	10 ml	± 5 ml	412 mm	1	3770
P50508	2000 ml	20 ml	± 10 ml	482 mm	1	6202



160

VOLUMETRIC FLASK. TPX, CLASS A

- These Volumetric Flasks are manufactured from the medical grade TPX polymer conforming to 21 CFR free of heavy metal and natural rubber.
- These Flasks are made from Glass like TPX offering excellent clarity.
- These Volumetric Flask Come with polypropylene stopper.
- Meet accuracy requirements of class A under "ISO 1042".
- Supplied with conformity test certificate that indicates batch number & year of production.
- These flasks are recommended to be washed at max 60°C.
- Can be autoclaved.



121°C

Code	Capacity	Error Limit	Bulb Diameter	Height with stopper	Neck Size	No./case	Price/case (₹)
P50201	25 ml	±0.04 ml	40 mm	115 mm	10/19	1	1328
P50202	50 ml	±0.06 ml	50 mm	150 mm	12/21	1	1887
P50203	100 ml	±0.10 ml	60 mm	180 mm	14/23	1	2142
P50204	250 ml	±0.15 ml	80 mm	235 mm	19/26	1	2527
P50205	500 ml	±0.25 ml	100 mm	270 mm	19/26	1	2742
P50206	1000 ml	±0.40 ml	125 mm	310 mm	24/29	1	3256



161

VOLUMETRIC FLASK. TPX, CLASS B

NEW

- These Volumetric Flasks are manufactured from the medical grade TPX polymer conforming to 21 CFR free of heavy metal and natural rubber.
- These Flasks are made from Glass like TPX offering excellent clarity.
- These Volumetric Flask Come with polypropylene stopper.
- Supplied with conformity test certificate that indicates batch number & year of production.
- These flasks are recommended to be washed at max 60°C.
- Can be autoclaved.



121°C

Code	Capacity	Error Limit	Bulb Diameter	Height with stopper	Neck Size	No./case	Price/case (₹)
P50101	25 ml	+/- 0.08 ml	40 mm	115 mm	10/19	1	1030
P50102	50 ml	+/- 0.12 ml	50 mm	150 mm	12/21	1	1306
P50103	100 ml	+/- 0.20 ml	60 mm	180 mm	14/23	1	1364
P50104	250 ml	+/- 0.30 ml	80 mm	235 mm	19/26	1	1565
P50105	500 ml	+/- 0.50 ml	100 mm	270 mm	19/26	1	1859
P50106	1000 ml	+/- 0.80 ml	125 mm	310 mm	24/29	1	2133



162

SCOOP, HDPE

- These scoops are used for withdrawal and movement of solid, granulates, gels and other samples.
- Round bottom for better use.
- With precise formed filling edge and comfortable, stable and robust handle.
- Natural in colour.
- Superior chemical resistance.



Code	Capacity	Total Length	No./case	Price/case (₹)
P11901	90 ml	180 mm	12	3435
P11902	250 ml	240 mm	12	4466
P11903	600 ml	300 mm	6	3228
P11904	1100 ml	360 mm	6	3779
P11905	1500 ml	400 mm	3	3092



DUAL PURPOSE SCOOP, PS

- ABDOS Dual purpose Scoop is designed to combine the function of a scoop, weigh boat, and funnel to make this product economically beneficial.
- These Scoops are made from high quality anti-static polystyrene that is waterproof and reduces the probability of materials sticking to the scoop.
- These scoops have locking tabs that help to retain materials.
- These scoops can withstand powders, gels, and semi-solids.
- The broad tip design keeps the scoop stable while on the scale and enables materials to be easily scooped and dispensed.
- The dosage requirements for electron beam sterilization that results in sterilized products is determined by procedures that are compliant with ISO 11137.



Code	Size	Dimension	Colour	No./case	Price/case (₹)
P11907	Large	127 x 90 mm	White	100	5022
P11908	Small	127 x 63 mm	White	100	5590

164 CONICAL FLASK, PP

- Moulded from high quality virgin Polypropylene to ensure excellent results.
- These Conical Flasks are used for routine storage and pouring applications in the laboratory.
- These Flasks have a screw cap designed with inner thread for superior sealing and better security.



Code	Capacity	No./case	Price/case (₹)
P11620	100 ml	12	1260
P11621	250 ml	12	1531
P11622	500 ml	12	2545



165 WEIGHING BOATS, PS

- Abdos weighing boats are flexible with smooth surfaces to provide accurate pour-outs with minimal sample loss.
- Biologically inert and resistant to dilute weak acids, aqueous solutions, alcohols, and bases.
- All Abdos weighing boats are anti-static and facilitate the weighing of the static-affected sample.
- These boats can withstand temperature between 10°C to 70°C.
- Can be used with microwave moisture analysers.
- Suitable for use with food.
- Standard Weighing Boats are shallow with a wide, flat bottom to resist tipping.
- They have rounded corners to simplify transfer.
- Pour spout weighing boat have an innovative unique design for easy dispense of the sample without flexing the dish. 12-mil thickness provides good strength, stability and handling.



Weighing Boats Standard, PS

Code	Size	Colour	L x W x H	No./case	Price/case (₹)
P70501	Small	Blue	46 x 46 x 8 mm	250	2099
P70502	Medium	Blue	85 x 85 x 24 mm	250	3483
P70505	Large	Blue	140 x 140 x 22 mm	250	6233

Weighing Boat with Pour Spout, PS

Code	Size	Colour	L x W x H	No./case	Price/case (₹)
P70503	Small	White	43 x 58 x 13 mm	250	3460
P70504	Medium	White	83 x 132 x 26 mm	250	6258
P70506	Large	White	108 x 183 x 26 mm	250	11342

166 SPATULA, PP

- Abdos Spatula is moulded in polypropylene.
- Spatula consists of a spoon on one side while the other end is a flat construction with a knife edge.
- The edge is helpful in breaking up crystals of different salts while the spoon is used to draw salts from containers.
- Suitable for use with food.



Spatula					
Code	Length	No./case	Price/case (₹)		
P70707	150 mm	120	2522		
P70708	200 mm	120	3278		



167 FUNNEL, PP

- Designed specifically for analytical chemistry.
- Each size takes a standard size filter paper.
- The body of the funnel is 60° angle.
- Provided with external and internal ribs.



Spatula					
Code	Size Diameter	Internal Diameter	Stem Length	No./case	Price/case (₹)
P70314	50 mm	50 mm	50 mm	36	572
P70315	62 mm	62 mm	67 mm	36	695
P70316	75 mm	75 mm	77 mm	36	899
P70317	100 mm	100 mm	95 mm	12	765



168 FUNNEL HOLDER, PP

- These are corrosion free and can hold funnels with diameter 3 in to 6 in.
- Extra plate provided can be placed to hold funnels with diameter 1 in to 3 in.
- Two tapered wedges are provided to have a firm grip on rods.



Code	Places	No./case	Price/case (₹)
P703II	Single	6	1368
P703I2	Double	6	1886



169 POWDER FUNNEL, PP

- These Powder Funnel are used for transferring material in narrow bottles without spillage.
- Various sizes for different container sizes and volumes.
- Moulded from high quality virgin Polypropylene to ensure excellent results.



Code	Internal Diameter	No./case	Price/case (₹)
P703I8	65 mm	36	899



- ABDOS Safe Bottle Carrier is a safe and stable choice to carry reagent bottles in lab.
- The 1.5L & 4.5L capacities are ideal for labs.
- Comfortable handle design for carrying heavy loads.
- Reagent bottles are stabilized with a centre ring.
- Chemically resistant construction made from thermoplastic elastomer.



Abdos Safe Bottle Carrier				
Code	Capacity	Color	No./case	Price/case (₹)
P90120	4.5L	Red	1	11100
P90121	1.5L	Red	1	7200
P90122	4.5L	Black	1	11100
P90123	1.5L	Black	1	7200
P90124	4.5L	Blue	1	11100
P90125	1.5L	Blue	1	7200
P90126	4.5L	Green	1	11100
P90127	1.5L	Green	1	7200
P90128	4.5L & 1.5L	Red	2	18000
P90129	4.5L & 1.5L	Black	2	18000
P90130	4.5L & 1.5L	Green	2	18000
P90131	4.5L & 1.5L	Blue	2	18000

- These are corrosion free with a front opening that allows a clear view of the solution and allows unobstructed placement of separating funnels.
- Two tapered wedges are provided to have a firm grip on rods.



Code	Places	No./case	Price/case (₹)
P70313	Single	6	2144

- Burette clamps are used to hold burettes, test tubes, etc.
- Completely corrosion proof as it is moulded in polypropylene.
- Spring-loaded jack in the middle provides grip to the burette and prevents it from slipping.
- Two tapered wedges are provided to ensure firm grip on the rods.
- Available in both single and double clamp.

Code	Places	No./case	Price/case (₹)
P70601	Single	6	1381
P70602	Double	6	1886



173

ASSORTED WORKSTATION STORAGE BIN, ACRYLIC

- Users can organize most of their commonly used laboratory disposables in one location.
- First section of the bins can be used to store tubes, vials, pipette tips, hair cap or masks.
- Second section of the bin is used to store and dispense tissue paper, Kimwipes and Parafilm M (supplied with super-sharp serrated blade).
- Third section of the bin is used to store and dispense gloves.



Code	No. of Compartment	L x W x H	No./case	Price/case (₹)
P70104	5	255 x 135 x 368 mm	1	9584

174

WORKSTATION STORAGE/ DISPENSER BIN, ACRYLIC

- Ideal for storing and dispensing small laboratory product such as Pipette tips, Pasteur Pipette, Micro Centrifuge Tubes.
- Removable top cover allows easy filling in to the box.
- Hinged opening at the front to take out items from the bin.
- Holes at the back of the bin help it to be placed or stuck on to the wall.



Code	Size	L x W x H	No./case	Price/case (₹)
P70101	Small	200 x 140 x 190 mm	1	4666
P70102	Large	200 x 140 x 275 mm	1	7062

175

DRYING RACK, SS

- These Drying Racks are used for draining and drying test tubes, beakers, flasks & other lab ware.
- There are 55 pegs in the rack, 50 smaller pegs for products with small diameter & 5 large brackets are designed to hold Erlenmeyer flasks, beakers, etc.
- These pegs are plastic coated for better protection.
- The racks come with a tray at the bottom in order to avoid drops on the surface or table.



Code	Places	L x W x H	No./case	Price/case (₹)
P20302	55 places	360 x 160 x 650 mm	1	5684

176

UTILITY TRAY, PP

- Moulded from high quality virgin Polypropylene to ensure excellent results.
- These Utility Trays are used for routine washing and keeping labware and transporting material.
- This tray is designed for easy grip and handling heavy loads.



Code	L x W x H	No./case	Price/case (₹)
P90115	350 x 275 x 75 mm	10	4622
P90116	360 x 310 x 130 mm	6	4854



Plain Desiccator

- Desiccators are enclosures containing desiccants for preserving moisture sensitive products.
- These desiccators are moulded-in from high quality plastics which is light and easy to handle.
- Silicone O-ring assures tight seal down to 0°C without using grease.
- Bottom part of the desiccators comes with thick perforated polypropylene disc with big holes in the middle for easy lifting.
- Use with disposable or reusable desiccant.
- Bottom part of the desiccators is white in color.

Vacuum Desiccator

- Vacuum desiccator are moulded in high quality plastics which is light and easy to handle.
- Silicone O-ring assures tight seal down to 0°C without using grease.
- Polypropylene stopcock with PTFE.
- Bottom part of the desiccators comes with thick perforated polypropylene disc with big holes in the middle for easy lifting.
- Bottom part of the desiccators is transparent in all clear vacuum desiccator.



Plain Desiccator
(PP/PC)

Vacuum Desiccator
(PP/PC)

All Clear Vacuum Desiccator
(PC/PC)

Code	Product	Plate Diameter	Inside Diameter	Flange Outer Diameter	Overall Height	No./case	Price/case (₹)
EII601	Plain Desiccator	150 mm	145 mm	170 mm	210 mm	1	1566
EII602	Plain Desiccator	200 mm	195 mm	230 mm	270 mm	1	2931
EII603	Plain Desiccator	250 mm	240 mm	275 mm	330 mm	1	4064
EII604	Plain Desiccator	300 mm	297 mm	338 mm	410 mm	1	6194
EII605	Vacuum Desiccator	150 mm	145 mm	170 mm	210 mm	1	2658
EII606	Vacuum Desiccator	200 mm	195 mm	230 mm	270 mm	1	4072
EII607	Vacuum Desiccator	250 mm	240 mm	275 mm	330 mm	1	5112
EII608	Vacuum Desiccator	300 mm	297 mm	338 mm	410 mm	1	7335
EII609	All Clear Vacuum Desiccator	150 mm	145 mm	170 mm	210 mm	1	3260
EII610	All Clear Vacuum Desiccator	200 mm	195 mm	230 mm	270 mm	1	4999
EII611	All Clear Vacuum Desiccator	250 mm	240 mm	275 mm	330 mm	1	6413
EII612	All Clear Vacuum Desiccator	300 mm	297 mm	338 mm	410 mm	1	9572

SPARE ACCESSORIES FOR ALL DESICCATOR			
Code	Product	No./case	Price/case (₹)
EII620	Stop Cock for Vacuum Desiccator	1	1138
EII621	Silicone Ring for 150 mm Desiccator	1	208
EII622	Silicone Ring for 200 mm Desiccator	1	304
EII623	Silicone Ring for 250 mm Desiccator	1	382
EII624	Silicone Ring for 300 mm Desiccator	1	488



Shweta Pant

Organization: Indian Institute of science,
Bengaluru

“ Good product, highly moisture resistant,
recommended ”

Ease of Use ★ ★ ★ ★ ★

★★★★★ Average Rating 5.0

After Sales Service ★ ★ ★ ★ ★

Application Area: To protect the samples from humidity

Value for Money ★ ★ ★ ★ ★

The desiccator we used from Abdos is very rugged, easy to use and protects hygroscopic chemicals from humidity very efficiently which was essentially required for our samples. The cost is also reasonable for laboratory usage.

Review Date: 30 Aug 2022 | Abdos



- These vacuum desiccators feature a round design with light weight yet high tensile strength.
- Maximum vacuum of 1 Torr (1.33×10^{-4} Mpa) for 72 hours.
- High quality silicone gasket ensures greaseless airtight seal for cost effective and clean test environment.
- Highly transparent, shatterproof, non-corrosive, and easy to clean polycarbonate construction.
- Three-way stopcock ensures consistent and uniform vacuum draw, vacuum release, or gas exchange. The barbed fitting on each side secures attachment of tubing.
- Flange lock holds the top and the bottom together during non-vacuum conditions.
- UV-blocking model minimizes damage and discoloration of light-sensitive samples.
- In Vacuum Gauge Round Desiccator, vacuum gauge is attached at the centre of the lid while it is attached at the front door in Vacuum Gauge Cubic Desiccator.



Vacuum Guage Round Desiccator



Vacuum Guage Cubic Desiccator

Code	Capacity	D x H	Colour	No./case	Price/case (₹)
E11617	6 LTS	242 x 354 mm	Natural	1	40410
E11617A	6 LTS	243 x 354 mm	Amber	1	53339
E11618	10 LTS	308 x 400 mm	Natural	1	50108
E11618A	10 LTS	308 x 400 mm	Amber	1	61422
E11619	20 LTS	385 x 475 mm	Natural	1	61422
E11619A	20 LTS	385 x 475 mm	Amber	1	72737

Code	Capacity	W x D x H	Colour	No./case	Price/case (₹)
E11613	11 LTS	322 x 285 x 271 mm	Natural	1	157016
E11613A	11 LTS	323 x 285 x 271 mm	Amber	1	164867
E11614	23 LTS	420 x 397 x 281 mm	Natural	1	196271
E11614A	23 LTS	421 x 397 x 281 mm	Amber	1	204122
E11615	35 LTS	420 x 397 x 381 mm	Natural	1	247300
E11615A	35 LTS	421 x 397 x 381 mm	Amber	1	257507
E11616	45 LTS	420 x 397 x 491 mm	Natural	1	314032
E11616A	45 LTS	421 x 397 x 491 mm	Amber	1	329735

SPECIFICATIONS :

Code	E11617 & E11617A	E11618 & E11618A	E11619 & E11619A	E11613 & E11613A	E11614 & E11614A	E11615 & E11615A	E11616 & E11616A
Internal Volume	6 L / 0.2 cu ft	10 L / 0.4 cu ft	20 L / 0.7 cu ft	11 L / 0.4 cu ft	23 L / 0.8 cu ft	35 L / 1.2 cu ft	45 L / 1.6 cu ft
Guage Range	0 to -0.1 Mpa						
Nozzle Diameter	9.5 mm / 0.37 inch						
Max. Permissible Vacuum	1.33×10^{-4} Mpa						
Max Load per shelf	-	-	-	3 Kg	5 Kg	5 kg	5 kg
Number of Shelves	-	-	-	2 standard / 4 maximum	2 standard / 4 maximum	3 standard / 5 maximum	3 standard / 6 maximum
Material - Body	Polycarbonate						
Material - Perforated Sample Tray	Polypropylene						
Material - Drying Agent Tray / Locker	Polypropylene						
Material - Vacuum Seal	Silicone Rubber						
Dimension - Interior(W x D x H)	-	-	-	248 x 254 x 238 mm	346 x 365 x 246 mm	355 x 375 x 345 mm	355 x 374 x 445 mm
Dimension - Exterior (Dia x H)	242 x 354 mm	308 x 400 mm	385 x 475 mm	-	-	-	-
Dimension - Exterior(W x D x H)	-	-	-	322 x 285 x 271 mm	420 x 397 x 281 mm	420 x 397 x 381 mm	420 x 397 x 491 mm
Net Weight	1.5 Kg	2.5 Kg	4.2 Kg	4.2 Kg	8.2 Kg	10.8 Kg	12.2 Kg

E11617A, E11618A, E11619A, E11613A, E11614A, E11615A, E11616A codes are translucent (Amber colour) Vacuum desiccators with Ultra Violet block effect. All models come with vacuum gauge.

COPLIN JAR

- These Coplin Jars are Polypropylene staining jars that holds either 5 single or 10 back- to back standard 75 x 25 mm slides.
- Interior of the Coplin Jar is grooved to hold the slides in an upright position.
- Flat Cap, features large milled edge for easy hand grip and has a built-in plug seal.



Code	Places	Height	No./case	Price/case (₹)
P90101	10	114 mm	12	1014

**SLIDE BOX, ABS**

- These Slide Box are suitable for holding standard 25 x 75 mm microscope slides.
- Slide tray are mounted with cock sheet on the bottom and index list inside the lid for microscope slide identification.
- Uniform grooved slide slots separates slides and prevents it to come in contact with each other.



Code	Places	L x W x H	No./case	Price/case (₹)
P90103	25	95 x 82 x 32 mm	12	1626
P90104	50	199 x 82 x 32 mm	6	1357
P90105	100	192 x 162 x 32 mm	6	2634

**SLIDE TRAY, PS**

- These Slide Trays are suitable for holding standard 25 x 75 mm microscope slides
- Slide tray are manufactured in state in art molding facility using virgin Polyesterene.
- Thumb cut area provides a space for easy slide handling.



Code	Places	L x W x H	No./case	Price/case (₹)
P90102	20	300 x 194 x 12 mm	6	4099

**SLIDE DISPENSER, PS**

- These Slide Dispenser are suitable for holding standard 25 x 75 mm microscope slides.
- The overall design of the dispensers make it easy to load and dispense slides.
- User can effortlessly turn either side of wheel to dispense slides one at a time.



Code	Places	L x W x H	No./case	Price/case (₹)
P90106	72	120 x 120 x 163 mm	1	1162

**SLIDE MAILER, PP**

- These Slide Mailer are suitable for holding standard 25 x 75 mm slides.
- They are ideal for secure shipping and storing of slides.
- Easy to close secure snaps for storage of valuable slides.



Code	Places	L x W x H	No./case	Price/case (₹)
P90107	1	85 x 42 x 5 mm	25	376
P90108	2	82 x 70 x 5 mm	25	595
P90109	3	100 x 84 x 5 mm	25	641
P90110	5	82 x 30 x 17 mm	25	688



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MICRO MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- For the stirring of liquids on magnetic stirrer and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.
- For use in small vessels, e.g. test tubes, vials etc.



121°C

Code	OD(ø) X L (mm)	No./case	Price/case (₹)
P80136	2 x 2 mm	5	1322
P80137	2 x 5 mm	5	1322
P80101	2 x 7 mm	5	1322
P80102	3 x 10 mm	5	1322



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MAGNETIC STIRRER BAR WITH PIVOT RING, PTFE/ALNICO V MAGNET

- Central pivot ring ensures efficient spinning even on curved or uneven bases.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



121°C

Code	OD(ø) X L (mm)	No./case	Price/case (₹)
P80138	4.5 X 12	10	1739
P80103	4.5 x 15	10	1739
P80124	6 x 12	10	1943
P80104	6 x 20	10	2138
P80123	6 x 25	10	2353
P80105	6 x 30	10	2566
P80139	6 x 35	10	2738
P80125	8 x 15	10	2474
P80106	8 x 40	10	3091
P80107	8 x 50	10	3497
P80126	10 X 25	10	3012
P80108	10 X 60	5	2869
P80109	10 X 70	5	2961
P80127	13 x 75	2	2475
P80140	24 X 57	2	4874
P80141	24 X 108	2	10083
P80142	24 X 159	2	12604



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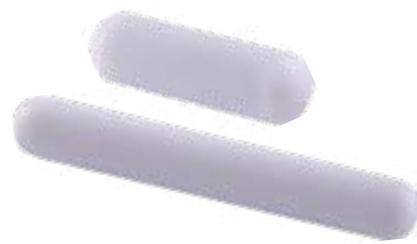
CYLINDRICAL MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- Plain design with rounded ends, suitable for a wide range of flat bottomed containers.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C



121°C

Code	OD(ø) X L (mm)	No./case	Price/case (₹)
P80143	6 X 10	10	1897
P80144	6 X 15	10	1800
P80110	6 x 20	10	1800
P80154	6 x 25	10	1931
P80111	6 x 30	10	2035
P80145	8 X 13	10	2351
P80146	8 X 20	10	2351
P80147	8 X 25	10	2838
P80148	8 X 30	10	2838
P80112	8 x 40	10	2586
P80113	8 x 50	10	4017
P80149	10 x 60	10	5376
P80114	10 x 70	10	6722
P80150	10 x 80	10	7899



PLAIN MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- Plain design for more turbulence at low speed.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) X L (mm)	No./case	Price/case (₹)
P80155	6 x 10	10	1681
P80156	6 x 15	10	1849
P80157	6 x 20	10	2185
P80158	6 x 25	10	2437
P80159	6 x 30	10	2855
P80160	8 x 13	10	2605
P80161	8 x 25	10	3527
P80162	8 x 40	10	2637
P80163	8 x 50	10	4201
P80164	8 x 60	10	4874
P80165	10 x 25	10	4201
P80166	10 x 35	10	4201
P80167	10 x 50	10	5040
P80168	10 x 60	10	5546
P80169	10 x 70	10	6218
P80170	10 x 80	10	6720



OCTAGONAL MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- Shape gives increased turbulence at low speeds.
- Bars with central pivot ring.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) X L (mm)	No./case	Price/case (₹)
P80115	8 x 13	10	2136
P80116	8 x 25	10	2264
P80117	8 x 38	10	2820
P80128	8 x 51	10	3106
P80129	8 x 64	10	4391
P80151	10 x 13	10	2857
P80152	10 x 25	10	2857
P80153	10 x 38	10	3193
P80118	10 x 51	10	4274
P80119	13 x 75	10	8403



OVAL MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- Best suited for round bottom flask.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) X L (mm)	No./case	Price/case (₹)
P80171	5 x 10	10	2521
P80172	6 x 15	10	2521
P80173	10 x 20	10	3529
P80174	10 x 25	10	4201
P80175	10 x 30	10	5378
P80176	16 x 30	10	6554
P80177	16 x 35	10	7562
P80178	20 x 40	10	9915
P80179	20 x 50	10	13108
P80180	20 x 64	10	14957
P80181	20 x 70	10	16805



190 TRIANGULAR MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- Ideal for mixing difficult solutions e.g. dissolving solvents or mixing sediments.
- Spins well giving the best possible mixing action.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) x L (mm)	No./case	Price/case (₹)
P80130	14 x 25	2	1781
P80131	14 x 40	2	2119
P80132	14 x 55	2	2388
P80182	14 x 80	2	3107



191 WINGS MAGNETIC STIRRER BAR, PTFE/ALNICO V MAGNET

- Best suited for test tubes.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures upto 260°C.



Code	OD(ø) x L (mm)	No./case	Price/case (₹)
P80183	8 x 11	2	2689
P80184	10 x 16	2	3361
P80185	13 x 10	2	2689
P80186	13 x 20	2	3361



192 DOUBLE ENDED MAGNETIC STIRRER BARS, PTFE/ALNICO V MAGNET

- Double ended stirrer bars have double paddle action for efficient stirring plus high stability.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) x L (mm)	No./case	Price/case (₹)
P80133	8 x 35	5	4453
P80134	8 x 55	5	5378



193 CROSS-SPIN MAGNETIC STIRRER BARS, PTFE/ALNICO V MAGNET

- Cross spin stirrer bars add speed and efficiency to your mixing requirements.
- The cross shape creates a deep vortex and provides stable and quite operation.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) x L (mm)	No./case	Price/case (₹)
P80135	8 x 20, 9 x 25, 10 x 30, 11 x 38, 15 x 50, 20 x 60	1 set consisting of 1 pcs each	POR



194 MAGNETIC RETRIEVERS, PTFE/ALNICO V MAGNET

- Used to retrieve stirrer bar.
- Inert & leak Free.
- Moulded in from FDA approved PTFE and LNICO V MAGNET.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD(ø) x L (mm)	No./case	Price/case (₹)
P80187	10 x 150	2	3193
P80188	10 x 250	2	4033
P80189	10 x 350	2	4537





Always stand for quality –
whether giving or receiving

11

Utilities

Biohazard & Autoclave
Disposable Bags
Gloves & Safety Goggles
Sharp Containers & More



195 BIOHAZARD DISPOSABLE BAGS, PP

- These bags include black biohazard symbol and precautionary procedures printed in five languages (Hindi, English, Spanish, French, German) for added safety.
- These bags are easy to open and close and used to dispose biohazard waste and other plastic laboratory disposables.
- High temperature steam autoclavable up to 135°C (275°F).
- Pass ASTM 1922 Tear Resistance and ASTM 1709 Dart Impact Tests.



Code	W x L (inch)	Colour	No./case	Price/case (₹)
U40105	12 x 18 inches	Red, Yellow & Natural	200	3201
U40106	12 x 24 inches	Red, Yellow & Natural	200	3573
U40103	18 x 22 inches	Red, Yellow & Natural	200	4490
U40104	25 x 35 inches	Red, Yellow & Natural	200	9509
U40114	24 x 31.5 inches	Red, Yellow & Natural	200	9509
U40120	42 x 42 inches	Red, Yellow & Natural	100	12625

Note : U40120 is available only in HMHDPE



196 AUTOCLAVABLE BAGS, PP

- These polypropylene autoclave bags made of 2 mil thickness are used for discarding used petri dishes, membrane filters, cell culture flasks, pipettes, culture plates & other plastic products.
- These bags are transparent.



Code	W x L (inch)	No./case	Price/case (₹)
U40112	8 x 12 inches	100	1055
U40113	12 x 24 inches	100	2034
U40108	16 x 18 inches	100	2373
U40109	16 x 24 inches	100	4449
U40116	25 x 35 inches	200	9509



197 TRANSPORT/ RESEALABLE BAGS WITH ZIP LOCK, PE

- These Bags can be used to store and ship samples, solids and food/suitable for use with food.
- Though it can be used for all applications it is especially used in food, water, forensic science and quality control laboratory.
- Using the rim and channel closure the bag can be closed by finger pressure and reopened repeatedly.
- Content stored in the bag would be dust free and free of contaminates.

Code	W x L (inch)	No./case	Price/case (₹)
U40110	9.8 x 10.2 inches	100	1103
U40111	13 x 13.35 inches	100	1697



198 SHARP CONTAINER, PP

- A complete Line of Containers for needle, sharps and cutting waste, hospital waste.
- Secure lock on lid makes it safe to discard with sharp waste.
- Special design on lid makes it user-friendly to use with one hand while disposing sharp needles.
- Opening design inhibits hand entry to reduce the risk of needle stick when disposing sharps.
- Clear top and translucent containers allow you to monitor the fill level.
- Puncture-resistant, durable polypropylene, can be autoclaved or incinerated.
- Clearly marked with biohazard label.



Code	Capacity(ml)	No./case	Price/each	Price/case (₹)
P50II1	800 ml	40	148	6105
P50II2	1200 ml	60	204	12591
P50II3	3000 ml	60	278	17170
P50II4	5000 ml	60	340	20985

199 SAFETY GOGGLES, PC

- Polycarbonate lens with side shield.
- Impact resistant and lightweight frames for comfortable eyewear.
- 99.9% UVA/UVB protection

Code	No./case	Price/case (₹)
U40I01	2	794



200 SAFETY GOGGLES BOX, ACRYLIC

- This safety box can be set on the bench top or mounted on the wall for storage of goggles, glasses and other small lab products.
- Safety Lid keeps the box free of dust and contamination.
- Clear window helps to view the inventory from the outside.

Code	L x W x H	Size	No./Case	Price/case (₹)
P70I06	23 x 16 x 18 cm	Small	1	3028
P70I07	23 x 16 x 25 cm	Large	1	3569



201 SAFETY FACE SHIELD

- Clear face shield of polycarbonate provides high impact and splash protection.
- Ratcheted adjustment on the headgear provides comfortable fit.

Code	L x W x H	No./Case	Price/case (₹)
U40I02	28.5 x 22.7 x 13 cm	1	3407



202

ABDOS DERMA GUARD LITE BLUE NITRILE GLOVES – 9.5 INCHES LENGTH

NEW

- Derma Guard Lite gloves are ideal to protect the user from direct exposure to bacteria, viruses, and chemicals.
- Its unique blue color provides quick, visual differentiation from natural rubber latex and other synthetic gloves.
- Ambidextrous, textured fingertips, and beaded cuff enhances wet & dry grip.
- Custom design enhances comfort & fit.
- These gloves are powder-free, minimizing the potential for powder-related complications.
- Conforms to ASTM D6319, EN 374, and EN 455 Standards, EU standard directive EU 2017/745 Class I, GMP, BIS, IMDR 2017



Code	Size	No./case	Price/case (₹)
U20351	Small	100x10	3500
U20352	Medium	100x10	3500
U20353	Large	100x10	3500

203 ABDOS DERMA GUARD BLUE NITRILE GLOVES – 9.5 INCHES LENGTH

- These gloves are ideal product to protect you from exposure to bacteria, viruses and chemicals. It also enhances your ability to offer maximum security against cross-contamination.
- Its unique blue color provides quick, visual differentiation from natural rubber latex and other synthetic gloves.
- Ambidextrous, textured palm and beaded cuff enhance wet and dry grip.
- Custom design enhance comfort and fit.
- These gloves are powder free, minimizing the potential for powder related complications.
- Conforms to ASTM D6319 - 19 and ASTM D6124 - 06 Standards.



Code	Size	No./case	Price/case (₹)
U20355	Small	100	890
U20356	Medium	100	890
U20357	Large	100	890

204 ABDOS DERMA GUARD WHITE LATEX GLOVES – 9.5 INCHES LENGTH

- These gloves are ideal product to protect you from exposure to bacteria, viruses and chemicals. It also enhances your ability to offer maximum security against cross-contamination.
- Ambidextrous, textured fingertips and beaded cuff enhance wet and dry grip.
- Softness provides superior comfort and natural fit.
- These gloves are powder free, minimizing the potential for powder related complications, irritation and dermatitis.
- Lower level of extractable proteins and chemical residue, hence lower incidences of allergic reactions.
- Conforms to ASTM D3578 & D6319 and EN 455 Standards.



Code	Size	No./case	Price/case (₹)
U20344	Small	100 x 10	5670
U20345	Medium	100 x 10	5670
U20346	Large	100 x 10	5670

205

KIMTECH PURPLE NITRILE GLOVES, 9.5 & 12 INCHES LENGTH

- These gloves are ideal product to protect you from exposure to bacteria, viruses and chemicals. It also enhances your ability to offer maximum security against cross-contamination.
- Its unique purple color provides quick, visual differentiation from natural rubber latex and other synthetic gloves.
- Its textured fingertips enhance wet and dry grip.
- Custom design enhance comfort and fit.
- These gloves are powder free, minimizing the potential for powder related complications.

Kimtech Purple Nitrile Gloves – 9.5 inches length

Code	Size	No./case	Price/case (₹)
U20301	Small	100	1350
U20302	Medium	100	1350
U20303	Large	100	1350

Kimtech Purple Nitrile Gloves – 12 inches length

Code	Size	No./case	Price/case (₹)
U20304	Small	50	1500
U20305	Medium	50	1500
U20306	Large	50	1500

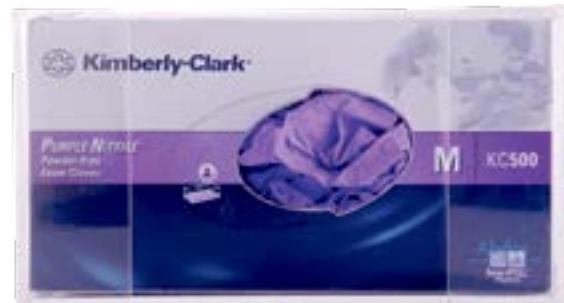


206

GLOVE BOX HOLDER, ACRYLIC

- They designate a place for gloves.
- Clear and pristine holder to give clean appearance.
- Top loading of the glove box.
- Easy to dispense the gloves through the holder.
- Each holder has holes that help it to be installed in a convenient location to the proximity of your work and tasks.

Code	No. of places	L x W x H, mm	No./case	Price/case (₹)
P70301	1	260 x 100 x 138	1	2336
P70302	2	260 x 100 x 270	1	3100
P70303	3	260 x 100 x 415	1	4104



207

KIMTECH SCIENCE KIMWIPES WIPERS

- These wipers is an ideal product for cleaning and wiping delicate surfaces such as beakers, lenses, slides, optical lenses, optical instruments, surface and glass layer.
- Low in lint and low extractable wipers.
- Non-abrasive wipers wont scratch on delicate surface when used wet.
- Absorbent wipers hence easily wipe up liquid and dust.
- LINTGURD anti-stat polyshield on each pop-up box helps to further reduce the lint and static buildup.
- Multi-fold dispensing format enables one-at-a-time dispensing which controls usage.
- Handy, portable pop-up box makes the product convenient to use.



Code	Sizes	Units/pack	No./case	Price/case (₹)
U20409	11.17 cm x 21.3 cm	280 sheets	60 packs	21654
U20410	37.33 cm x 42.16 cm	140 sheets	15 packs	20508

208 WYPALL X70 WIPERS

- An ideal product to replace cloth towels or rags.
- They can exceptionally absorb oil, grease, solvents and water, reusable and durable.
- They are designed to perform the wiping function that helps to improve productivity and performance.
- They are made from advanced HYDROKNIT material that deliver products that are absorbent, higher in strength and have more bulk.
- They are bio-degradable hence reduce disposable cost and are environmental friendly.
- Available in 100 meters roll format in white and blue colour with perforation making it easy to use.



Code	Sizes	Colour	No./case	Price/case (₹)
U20407	24.7 cm x 20 cm	White	1 Roll-100 metres	4161
U20413	24.7 cm x 20 cm	Blue	1 Roll-100 metres	4161
U20414	26 cm x 26 cm	White	50 Sheets	785
U20415	25.4 cm x 38.1cm	Blue	50 Sheets	800

209 WYPALL L40 WIPERS

- This product will consistently deliver the wiping performance that you need in convenient and cost effective manner.
- Wiper is highly absorbent, thus controls usage and reduces wastage.
- One time use and throw wipers, eliminates cross-contamination.
- Wipers have low lint hence do not leave particles behind.
- Versatile, highly absorbent wiper leaves surface clean and dry.
- Available in both sheet and roll format that makes it easy to use.



Code	Size (L X W)	Colour	No./case	Price/case (₹)
U20408	30.5 cm x 31.5 cm	White	56 sheets	721

210 PARAFILM M

- Parafilm M is a flexible, thermoplastic, waterproof self-sealing film that holds moisture loss to the minimum and offers secure sealing to the content of tubes, beakers, flasks, petri-dish and vials.
- It has excellent resistance to air, other gases, alcohol, common acids and moderately concentrated alkalis.
- At 21° C (70° F), it stretches 200% and returns partially to its original size at 82° C to 93° C (180° F to 200° F) and softens enough to make an adhesive bond between papers, cloths and leathers.



Code	Sizes (L X W)	No./case	Price/case (₹)
U30101	2 Inches x 250 feet	1 Roll	3309
U30102	4 Inches x 125 feet	1 Roll	3140

211 PARAFILM M DISPENSER, ACRYLIC

- Ideal for storing, dispensing and cutting Parafilm® M, tape and labels.
- Openable top lid allows easy filling into the Dispenser.
- These dispensers can hold both 2 inches and 4 inches Rolls.
- Tapes and Labels can be easily cut through super-sharp serrated blade.



Code	Capacity	L x W x H, mm	No./case	Price/case (₹)
P70401	2 inch & 4 inch	180 x 120 x 160	1	4565

* Dispenser does not include Parafilm M

PARAFILM M DISPENSER, ABS

- Ideal for storing, dispensing and cutting Parafilm® M, tape and labels.
- Openable top lid allows easy filling into the Dispenser.
- These dispensers can hold both 2 inches and 4 inches Rolls.
- These dispensers are designed with safety razor that sides and cuts with no danger to fingers.

Code	Capacity	L x W x H, mm	No./case	Price/case (₹)
P70402	2 inch & 4 inch	156 x 120 x 156	1	5033

* Dispenser does not include Parafilm M

**FREEZER THERMOMETER**

- These thermometer can be used as probe to investigate and protect frozen and chilled samples from potential spoilage.
- Monitor temperatures inside your freezer or refrigerator with the added convenience of sound and flashing LED lights to alert out-of-range temperatures.
- Suction cup attaches the probe inside freezer/refrigerator while the thermometer secures to the outside with hook-and loop tape
- Large digital display shows freezer/refrigerator temperature plus ambient temperature•
- Set freezer range: (-9.5° to -23°C); set refrigerator range: (2° to 8°C)
- Can be used as Fahrenheit °F or Celsius °C
- Includes one AAA battery
- Probe cable measures 0.9 m; probe measures 5 mm OD x 17 mm L



Code	L x W x H, mm	No./case	Price/case (₹)
U20610	136 x 19 x 28	1	5710

CONTAINER SEAL

- Container Seal is a sealing tape designed for the vast range of bottles and containers used in laboratory application.
- Its unique elastomeric characteristics allow it to stretch and conform around the irregular perimeters of containers lids and covers to form a tight seal.
- Container Seal will block water vapor loss, reduce the rate of gas exchange and prevent entry of contaminants.
- Ideally sized (0.75" wide) tape can be easily removed from surface without leaving an adhesive residue.
- Container Seal stretches and conforms, can resist chemical & temperature range and is waterproof.
- Available in a wide variety of colours.



Code	Sizes	Colour	No./case	Price/case (₹)
U20101C	0.75 inches x 108 feet	Clear	1 Roll	8919
U20101W	0.75 inches x 108 feet	White	1 Roll	8919
U20101B	0.75 inches x 108 feet	Blue	1 Roll	8919



215 CRYO-BABIES AND CRYO-TAGS

- Cryo-Babies are ideally used for 0.5ml and 2.0ml tubes and Cryo-Tags are used for general-purpose applications.
- Cryo-Babies and Cryo Tags can withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperature (150°C). They will resist water soaking for at least 24 hours at room temperature and water vapor (100% relative humidity) at 35°C for at least 24 hours.
- These are chemically inert labels and resist most organic solvents and caustic agents.
- Made with a flexible, polyolefin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in strong adhesive bond.
- These labels can adhere to most plastics (100% virgin polypropylene tubes recommended), glass and metals without cracking, peeling or degrading.
- These labels accept writing from most lab markers.



Cryo - Babies			
Code	Size	No./case	Price/case (₹)
UI0401	0.94 inches x 0.50 inches	1000	5010
UI0402	1.28 inches x 0.50 inches	1000	5010

Cryo - Tags			
Code	Size	No./case	Price/case (₹)
UI0501	1.50 inches x 0.75 inches	1000	5010

216 TOUGH SPOTS

- Tough Spots are ideally used for labeling 0.5ml, 1.5ml and 2.0ml micro centrifuge tubes.
- Tough Spots can withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water bath (100°C), autoclaving and moderate oven temperature (80°C).
- Tough Spots can endure sustained humidity and soaking , submersion in boiling water bath, autoclaving, organic solvents, caustic agents and other challenges without peeling, degrading or becoming brittle.
- Made with a flexible, polyolefin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuation resulting in strong adhesive bond.
- These labels can adhere to most plastics (100% virgin polypropylene tubes recommended), glass and metals without cracking, peeling or degrading.
- These labels accept writing from most lab markers.



Code	Sizes	No./case	Price/case (₹)
UI0301	1/2 inches	1000	4290
UI0302	3/8 inches	1000	4290
UI0303	1/2 inches	5000	18150
UI0304	3/8 inches	5000	18150



217 TOUGH TAG

- Tough Tags are ideally used for labeling 0.5ml, 1.5ml and 2.0ml tubes. White Tough Tags can also be used for labeling general purpose label and microplates.
- Tough Tags can withstand temperatures from -40°C to 121°C, boiling water bath, autoclaving and moderate freezer temperature.
- Chemically inert, polyester sheets resist most organic solvents and caustic agents.
- Tubes labeled with Tough-Tags easily slide in and out of centrifuge rotors without binding.
- These labels can adhere to most plastics (100% virgin polypropylene tubes recommended), glass and metals without cracking, peeling or degrading.
- Tough-Tags are pre-cut peel-off labels which accept any marking instrument. They are perfectly sized to fit microcentrifuge tubes and other container in the laboratory.
- Dispensing box assists in labeling individual tubes used in small experiments.



Code	Sizes	No./case	Price/case (₹)
UI0201	1.28 inches x 0.50 inches	1000	5720
UI0202	0.94 inches x 0.50 inches	1000	5000

218 TOUGH - TAG STATION

- Tough Tag Station can conveniently hold up to 6 roll of Tough-Tags, Tough-Spots or cryo-Tags.
- Users can utilize the ledge to easily write on labels for sample identification.



219 PETRI-SEAL

- Petri-Seal stretches and conforms to form a tight seal and is temperature resistant, water - proof and chemically resistant.
- It resists abrasion and puncture and blocks vapor loss while reducing the rate of gas exchange.
- Petri-Seal can be used with microtiter plates, petri dishes and culture plates to prevent entry of any contaminants.
- Petri-Seal remains flexible down to -30°C and can withstand continuous exposure from -40°C (with intermittent exposure up to 100°C).
- Tests have shown that PetriSeal leaves no adhesive residue even after two years.
- Available in a wide variety of colours.



220 MULTIPURPOSE LABELING TAPE

- These autoclavable tapes adhere to almost any dry surface-glass, plastic, metal, paper and rubber.
- These tapes sticks throughout the most demanding procedures, is oil-proof, waterproof and acid resistant and can be steam autoclaved.
- Holds in a wide range of temperatures and transfers and transfers cleanly from one surface to another, leaving no messy residue.
- These labels accept handwritten notations inscribed with pen, pencil or marker.



221 MULTI-TAPE DISPENSER

- These dispensers facilitate easy dispensing from one convenient location.
- Special design allows fast addition or replacement of label roll.



222 SPECIALITY INDICATOR TAPE FOR STEAM AUTOCLAVE

- Versatile tape indicates completion of normal steam sterilization process.
- All specialty steam indicator tape accepts handwritten notations, may be used to seal and identify almost all laboratory material before and after processing.
- Change of colour of the written matter from white to dark after completion of autoclave cycle.



Code	Size	No./case	Price/case (₹)
U20802	1 inch x 500 inches	1	3245



Uncontrolled inconsistency
is the exact opposite of quality

12

Equipments

Magnetic Stirrers & Hotplates
Digital Dry Bath & Thermo Mix
Rotating Mixers & Shakers
Digital Incubators
Oil-free Vacuum Pumps & More



- SWIRLTOP magnetic stirrer is used in biotech labs, provides better mixing & is ideal for application of physical & chemical analysis.
- Its body is made of ABS material.
- It comes with automatic reverse rotation for better mixing result.
- Top plate is made from chemically resistant materials (PET).



Code	Product	Workplate Size	No./case	Price/case (₹)
E11307	Ultra Flat Magnetic Stirrer	90 x 90 mm	1	16527
E11308	Eco Magnetic Stirrer, Round	ø120 mm	1	12097
E11309	Eco Magnetic Stirrer, Square	120 x 115 mm	1	12097

SPECIFICATIONS :

Code	E11307	E11308	E11309
Voltage	220-240V	220-240V	220-240V
Frequency	50-60Hz	50-60Hz	50-60Hz
Motor Type	Motor less	Brushless DC Motor	Brushless DC Motor
Stirring position	01	01	1
Speed range	15-1500 rpm	300-2000 rpm	300-2000 rpm
Max. stirring quantity (H ₂ O)	0.8L	1.5L	1.5L
Maximum magnetic bar (length)	40mm	40mm	40mm
Dimensions of work plate	90x90mm	ø120mm	120x115 mm
Dimensions (W x D x H)	175 x 120 x 15 mm	150 x 145 x 50 mm	150 x 144 x 54 mm
Weight	0.3kg	0.3kg	0.3 kg
Speed setting	Button	Scale	Scale
Permissible ambient Temperature	5-40°C	5-40°C	5-40°C
Permissible relative humidity	80%	80%	80%
Protection Class	IP21	IP21	IP21



E11307

E11308

E11309

- Swirl Top unit features an extremely durable, chemical resistant white stainless steel ceramic coated surface that allows immediate heat transfer.
- LED Display shows temperature and speed.
- External Temperature sensor accessory is available with accuracy of $\pm 0.2^{\circ}\text{C}$.
- Extremely accurate digital control system is ideal for applications of analytical and biological laboratory.
- Swirl Top has advanced microprocessor control with convenient turn knobs that allows quick, precise adjustment and maintains accurate temperature and speed.
- Large, backlit LED display provides constant visualization of speed and temperature while safety LED indicates when the top plate is above 50°C .
- This digital system is compatible with a wide variety of popular glass beakers, flasks, bottles and vessels.
- Heat resistant ABS casing.



SWIRLTOP – LED Digital Magnetic Stirrer & Hot Plate

Code	Product	Circular Workplate Size	No./case	Price/case (₹)
EII231	LED Digital Magnetic Stirrer & Hot Plate with support rod (EII232) & external temperature probe (EII233)	13.5 cm	1	34613

Spare Accessories

Code	Product	No./case	Price/case (₹)
EII232	SP - Support Rod	1	5579
EII233	ETP - External Temperature Probe	1	11533

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Motor type	DC Motor (Brushless)
Maximum stirring capacity	3L
Work plate diameter	5 Inch
Work plate material	SS Cover Ceramic Coating
Shaking movement	Orbital
Temperature range	Room Temperature – 280°C
Speed range	200 – 1500 rpm
Dimensions (W x D x H)	150 x 260 x 100 mm
Weight	1.8 kg
Permissible ambient temperature	5 – 40°C
Permissible relative humidity	80%
Protection Class	IP42



- New Abdos Swirltop Digital Magnetic Hotplate Stirrer comes with Aluminium cover with ceramic coating, strong corrosion resistance, easy to clean.
- With maximum heating temperature of 380°C, maximum stirring speed of 1500rpm, and maximum stirring volume of 20L H2O.
- LCD display for speed, time and temperature parameters.
- Protection Features – Dry burn protection, overcurrent protection, ground fault protection, and over-temperature protection.



SWIRLTOP – LCD Digital Magnetic Stirrer & Hotplate

Code	Product	No./case	Price/case (₹)
E11675	Swirltop LCD Digital Magnetic Hotplate Stirrer with Clamp Rod (E11654) & External Temperature Probe (E11233)	1	57397

Spare Accessories

Code	Product	No./case	Price/case (₹)
E11233	ETP – External Temperature Probe	1	11533
E11654	SS/Support Rod-Seven Inch	1	5536

SPECIFICATIONS :

Work Plate dimensions & Material	184x184mm, Aluminium
Motor Type	Cover with ceramic coating
Max. Stirring quantity (H2O)	DC Brush motor
Max. Magnetic Bar (Length)	20L
Speed range	80x10mm
Speed & Temperature Display	80–1500rpm
Display resolution (Temp & Speed)	LCD
Heating temperature range	±0.1°C, 1rpm
Heating liquid temperature control accuracy	Room Temp. – 380°C, increment 1°C
Overheating temperature protection	±1°C (<100°C), ±1% (>100°C)
Power	410°C
Voltage, Frequency	900W
"Hot" Warning	100–120V, 60Hz; 200–240V, 50Hz
Protection Class	50°C
Dimensions (WxDxH)	IP21
Weight	366x240x126mm
Permissible ambient temperature and humidity	3.5kg



- Swirl top 380°C Digital Magnetic stirrers & Hotplate include all leading safety standards and is chemically-resistant with aluminium ceramic coating work plate. They can be used in physical, chemical, analytical and biological laboratories.
- Digital temperature control with max. temperature at 380°C.
- Digital speed control with max. speed up to 1500rpm.
- High resolution LCD displays for actual temperature and speed.
- Brushless DC motor is maintenance free.
- Ceramic coated plate for chemical resistance and easy to clean.
- Aluminium cover with ceramic work plate, allows for immediate heat transfer.
- Hot warning sign if temperature is above 50°C.
- Max. stirring quantity of H2O at 5L.

SWIRLTOP- 380°C Digital Magnetic Stirrers & Hotplate

Code	Product	Workplate Size	No./case	Price/case (₹)
EII224	380° Digital Magnetic Stirrer & Hot Plate with Support Rod (EII232) and External Temperature Probe (EII233)	14.0 x 14.0 cm	1	46299

Spare Accessories

Code	Product	No./case	Price/case (₹)
EII232	SP - Support Rod	1	5579
EII233	ETP - External Temperature Probe	1	11533

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Motor type	DC Motor (Brushless)
Maximum stirring capacity	5L
Work plate dimensions	140x140mm
Work plate material	Aluminium Cover with Ceramic Coating
Temperature range	Room Temperature – 380°C
Speed range	200 – 1500rpm
External Temperature Sensor	PT1000 (Accuracy $\pm 0.2^\circ\text{C}$)
Dimensions (W x D x H)	320x180x108mm
Weight	2.2kg
Permissible ambient temperature	5 – 40°C
Permissible relative humidity	80%
Protection Class	IP21



- LED display for precise monitoring of speed and temperature for Magnetic stirrer & Hot plate.
- Built in PID Controller ensures the safe heating of the medium with overheating protection.
- Max heating plate temperature 550°C.
- Glass ceramic work plate provides excellent chemical resistant performance and efficient heat transfer.
- External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at $\pm 0.2^\circ\text{C}$.
- Digital speed control.
- Maximum Speed at 1500rpm.
- Outstanding brushless DC motor performance enables more stirring power.
- Two rotating knobs enable the easy and direct change of speed and temperature.
- HOT WARNING will flash when the work plate temperature is above 50°C, even when the hot plate is turned off.



SWIRLTOP – LED Digital Magnetic Stirrer & Hot Plate				
Code	Product	Workplate Size	No./case	Price/case (₹)
EII650	LED DIGITAL Magnetic Stirrer & Hotplate with support Rod (EII654) & External Temperature Probe (EII233)	18.4 x 18.4 cm	1	72138
EII651	LED DIGITAL Hotplate with support Rod (EII654) & External Temperature Probe (EII233)	18.4 x 18.4 cm	1	60333

Spare Accessories			
Code	Product	No./case	Price/case (₹)
EII654	SS/Support Rod-Seven Inch	1	5536
EII233	ETP – External Temperature Probe	1	11533



SPECIFICATIONS :

Code	EII650	EII651
Voltage	220-240V	220-240V
Frequency	50-60 Hz	50-60 Hz
Motor Type	Shaded Pole Motor	Shaded Pole Motor
Maximum stirring capacity	10 L	NA
Work plate dimensions	184 x 184mm (7inch)	184 x 184mm (7inch)
Work plate material	Glass Ceramic	Glass Ceramic
Temperature range	Room Temperature – 550°C, Increment 5°C	Room Temperature – 550°C, Increment 5°C
Overheating protection	580°C	580°C
Temperature Display accuracy	$\pm 1.0^\circ\text{C}$	$\pm 1.0^\circ\text{C}$
Speed display	NA	NA
Temperature display	LED	LED
Speed range	0 – 1500 rpm, resolution $\pm 1\text{ rpm}$	NA
Maximum magnetic bar (length)	80mm	NA
Dimensions (W x D x H)	215 x 360 x 112mm	215 x 360 x 112mm
Weight	4.5 kg	4.5 kg
Permissible ambient temperature	5 – 40°C	5 – 40°C
Permissible relative humidity	80%	80%
Protection class	IP21	IP21

SWIRLTOP – MULTI POSITION MAGNETIC STIRRER & HOT PLATE

- SWIRLTOP Unit features an extremely durable stainless steel plate with anti-slip and anti-corrosion silicon cushion.
- SWIRLTOP advanced Microprocessor based electronic speed control motor provides constant speed.
- High performance multi-position magnetic stirrer with uniform temperature distribution.
- Micro-processor based stirring controls to provide consistency with various samples.
- Brushless DC Motor for maintenance free & quiet operations.



Code	Product	Workplate Size	No./case	Price/case (₹)
EII235	10 Channel Magnetic Stirrer	18 x 45 cm	1	124547
EII236	10 Channel Magnetic Stirrer & Hot Plate	18 x 45 cm	1	179902

SPECIFICATIONS :

Code	EII235	EII236
Voltage	220-240V	220-240V
Frequency	50-60 Hz	50-60 Hz
Dimension of work plate	180 x 450 mm	180 x 450 mm
Speed display	Scale	Scale
Temperature range	NA	Room Temperature – 120°C
Motor Type	Brushless DC Motor	Brushless DC Motor
Stirring Speed	0 – 1100 rpm	0 – 1100 rpm
Stirring Position	10	10
Maximum Stirring capacity	0.4 L(Each stirring position)	0.4 L(Each stirring position)
Max. Stirring Bar (Length)	40 mm	40 mm
Plate Material	Stainless Steel with silicon	Stainless Steel with silicon
	Coating	Cushion
Dimensions (W x D x H)	205 x 622 x 65mm	182 x 622 x 65mm
Weight	3.2 kg	3.2 kg
Permissible ambient temperature	5 – 40°C	5 – 40°C
Permissible relative humidity	80%	80%
Protection class	IP20	IP20



- Swirlmax is a classic tube roller that can be used for rocking and rolling for complete mixing.
- It has a wide speed range of 0-70rpm.
- It has a total of six rollers with small footprints and it is very easy to clean.
- Swirlmax has a quiet DC brushless motor which is reliable, sound free and maintenance free.
- Swirlmax can be used in cold rooms or in incubators.



Code	Product	No./case	Price/case (₹)
EII230	Tube Roller	1	31018

SPECIFICATIONS :

Voltage	220-240V
Frequency	50Hz
Power	25W
Motor Type	Brushless DC Motor
Rocking Motion	Rocking and Rolling
Amplitude	24mm
Max. load capacity	4kg
Number of Rollers	6
Roller Size	280mm
Speed Range	0-70rpm
Speed Display	Scale
Operation Type	Continuous operation
Dimensions (W x D x H)	250 X 485 X 100 mm
Weight	4.5 kg
Permissible ambient temperature	5-40°C
Permissible ambient humidity	80%
Protection Class	IP21



- ABDOS-LED Digital Dry Bath Heaters are available in single and dual block configurations and provide a broad temperature range up to 150°C, which makes them useful for a variety of applications in molecular biology, histology, clinical, environmental, and industrial laboratories.
- They have been designed to incorporate the best combination of features including block capacity, dual displays, and an external temperature probe that gives life science researchers the confidence and efficiency they need when working with precious lab samples.
- This is ideal for including melting and boiling point determination, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture and media tests, coagulation, tests, blood urea nitrogen determinations and in-situ hybridizations.
- The blocks are precision machined to match the conical size and shape of 0.5, 1.5, 2.0, 15 and 50ml tube sizes, providing unsurpassed temperature transfer. Assorted blocks are available for compatibility with nearly all common laboratory tubes and plates.
- Various optional blocks are available for best performance.
- Protection class according to DIN EN 60529.


HOTBLOCK – LED Digital Dry Bath

Code	Product	Block Capacity	Temperature Range	No./case	Price/case (₹)
E11330	LED Digital Dry Bath with E11333	Single	Ambient +5°C -120°C	1	48202
E11360	LED Digital Dry Bath with E11363	Single	Ambient +5°C -105°C	1	45906
E11370	LED Digital Dry Bath with E11363 & E11364	Dual	Ambient +5°C -105°C	1	76907
E11380	LED Digital Dry Bath with E11363	Single	Ambient +5°C -150°C	1	57233
E11390	LED Digital Dry Bath with E11363 & E11364	Dual	Ambient +5°C -150°C	1	84061

* Standard Block can not be changed.

* Additional Block to be purchased separately.

Spare Accessories of E11330

Code	Product	Places	No./case	Price/case (₹)
E11331	Heating Block, used for 0.2 ml	54	1	15803
E11332	Heating Block, used for 0.5 ml	40	1	15803
E11333	Heating Block, used for 1.5 ml	40	1	15803
E11338	Heating Block, used for 2.0 ml	40	1	15803
E11334	Heating Block, used for 5/15 ml	28	1	15803
E11335	Heating Block, used for 50 ml	8	1	15803
E11336	Heating Block, used for 0.2, 0.5, 1.5/2.0 ml	18	1	15803
E11337	Heating Block, used for 96/384 Microplate	96 /384 Microplate	1	15803
E11339	Heating Block, used for 2.0 ml (Thin)	40	1	15803
E11368	Heating Block, used for 1.5 ml (Thin)	40	1	15803



E11331



E11333



E11338



E11334



E11335



E11336



E11337



E11339



E11368

SPECIFICATIONS :	E11330	E11360	E11370	E11380	E11390
Voltage	220-240V	220-240V	220-240V	220-240V	220-240V
Frequency	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz
Adaptor block material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Maximum heating rate	5.5°C/min	5.5°C/min	5.5°C/min	5.5°C/min	5.5°C/min
Heating temperature Range	Room Temperature +5-120°C	Room Temperature +5-105°C	Room Temperature +5-105°C	Room Temperature +5-150°C	Room Temperature +5-150°C
Temperature Setting Range	15-120°C	25-105°C	25-105°C	25-150°C	25-150°C
Temperature Control accuracy	±0.5°C	25-90 : ±0.3 90-105 : ±0.6	25-90 : ±0.3 90-105 : ±0.6	25-90 : ±0.3 90-150 : ±0.6	25-90 : ±0.3 90-150 : ±0.6
Temperature Uniformity @ 37°C	±0.5	±0.2	±0.2	±0.2	±0.2
Sound Alarming Function	-	Yes	Yes	Yes	Yes
Timer	Yes	Yes	Yes	Yes	Yes
Time setting range	0 Min - 99Hr 59Min	0 Min - 99Hr 59Min	0 Min - 99Hr 59Min	0 Min - 99Hr 59Min	0 Min - 99Hr 59Min
Operation type	Continuous/timed operation	Continuous/timed operation	Continuous/timed operation	Continuous/timed operation	Continuous/timed operation
External Sensor	-	Yes	Yes	Yes	Yes
USB Interface	-	Yes	Yes	Yes	Yes
Dimension (W x D x H)	175 x 290 x 85mm	290 x 210 x 120mm			
Permissible ambient temperature	10-40°C	10-40°C	10-40°C	10-40°C	10-40°C
Permissible humidity	<80%	<80%	<80%	<80%	<80%
Protection Class	IP21	IP21	IP21	IP21	IP21



E11330



E11360 & E11380



E11370 & E11390

- ABDOS Thermo Mix Series allows for precise and efficient shaking and mixing as well as excellent temperature accuracy and uniformity, offering a wide range of applications, such as Gene Synthesis, Gene Purification, Gene Denaturation, Protein Denaturation, Enzymatic reaction, Bacterial growth and many more.
- ABDOS Thermo Mix is equipped with quick interchange of blocks with magnet Adhesion technology and without any tools.
- It is programmable and has three points calibration with precise temperature control for heating and cooling.


Thermo Mix - LCD Digital

Code	Product	No./case	Price/case (₹)
EII340	TFT Digital Thermo Mix with Heating and Cooling and Mixing with 1.5 ml Heating Block (EII346)	1	230922
EII341	TFT Digital Thermo Mix with Heating and Cooling with 1.5 ml Heating Block (EII346)	1	181440
EII342	TFT Digital Thermo Mix with Heating and Mixing with 1.5 ml Heating Block (EII346)	1	181440

Spare Accessories

Code	Product	Speed	Places	No./case	Price/case (₹)
EII343	Heating Block, used for 0.2 ml / 96 well PCR plate	1500rpm	96	1	24021
EII345	Heating Block, used for 0.5 ml	1500rpm	24	1	24021
EII346	Heating Block, used for 1.5 ml	1500rpm	24	1	24021
EII347	Heating Block, used for 2.0 ml	1500rpm	24	1	24021
EII348	Heating Block, used for 5 ml (Round Bottom)	1500rpm	8	1	27223
EII358	Heating Block, used for 5ml (Conical Bottom)	1400rpm	8	1	35232
EII349	Heating Block, used for 15 ml	800rpm	8	1	48043
EII350	Heating Block, used for 50 ml	600rpm	4	1	40034

* Standard Block can not be changed.

* Additional Block to be purchased separately.

SPECIFICATIONS :

Code	EII340	EII341	EII342
Voltage	220-240 V	220-240 V	220-240 V
Frequency	50-60 Hz	50-60 Hz	50-60 Hz
Functions	Heating, cooling & Mixing	Heating & Cooling	Heating & Mixing
Adaptor Block Material	Aluminium	Aluminium	Aluminium
Temperature Range	Heating : RT-100°C Cooling : 15°C - below room temp.	Heating : 25°C-110°C Cooling : 15°C - below room temp.	Heating : RT-100°C
Setting Temperature Range	0 to 100°C	-5 to 110°C	RT to 100°C
Temperature Uniformity @ 20-45°C	±0.5°C	±0.5°C	±0.5°C
Temperature control accuracy@ 20-45°C	±0.5°C	±0.5°C	±0.5°C
Maximum Heating Rate	5.5°C/min	5.5°C/min	5.5°C/min
Maximum Cooling Rate	5°C/min(100°C-25°C) 0.5°C/min(below 25°C)	2.5°C/Min(100°C-RT) 0.5°C/Min(below RT)	-
Mixing Frequency	200-1500 rpm	NA	200-1500 rpm
Mixing Orbit	3 mm	NA	3 mm
Program	9	9	9
Overheating Protection	150°C	150°C	150°C
Dimension(WXDXH)	200 x 235 x 120mm	200 x 235 x 120mm	200 x 235 x 120mm
Weight	7.3 kg	7.3 kg	7.3 kg



E11345



E11346



E11347



E11348



E11349



E11350



E11344



E11343

232 SWIRLEX – LCD/LED DIGITAL OVERHEAD STIRRER

- Swirlex overhead stirrer is widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industry and more.
- Reliability, long continuous service and outstanding performance are its hallmarks.
- Digital LCD/LED display for precise monitoring of set and actual speed.
- LCD/LED Torque displays real time information on viscosity changes.
- Protection and safety circuits ensure automatic cut-off in an anti-stall or overload conditions.
- Provides a constant speed even with changes in viscosities of sample.
- RS232 interface PC can control and document all operation values



Swirlex – Digital Overhead Stirrer

Code	Product	Maximum Stirring Quantity	No./case	Price/case (₹)
EII310	LED Digital Overhead Stirrer with Universal Plate Stand including support (holder) & fixing device (EII312) and Stainless Steel crossed Stirrer(EII313)	20L	1	85977
EII311	LED Digital Overhead Stirrer with Universal Plate Stand including support (holder) & fixing device (EII312) and Stainless Steel crossed Stirrer(EII313)	40L	1	109600
EII321	LCD Digital Overhead Stirrer with Timer and Universal Plate Stand including support (holder) & fixing device (EII312) and Stainless Steel grand crossed Stirrer(EII324)	70L	1	161819
EII322	LCD Digital Overhead Stirrer with Timer and Grand Plate Stand including support (holder) & fixing device (EII323) and Stainless Steel grand crossed Stirrer(EII324)	70L	1	173210

Spare Accessories for EII310 & EII311

Code	Product	Dimensions	No./case	Price/case (₹)
EII312	Universal Plate Stand including support (holder) & fixing device	20 x 31 cm (L x W)	1	12764
EII313	Stainless Steel Crossed Stirrer	40 x 5 cm (L x Ø)	1	1532
EII314	Stainless Steel Straight Stirrer	40 x 6 cm (L x Ø)	1	3829
EII315	Stainless Steel Blade Stirrer	40 x 6.8 cm (L x Ø)	1	3829
EII316	Stainless Steel Centrifugal Stirrer	40 x 9 cm (L x Ø)	1	3829
EII317	PTFE Crossed Stirrer	35 x 6.5 cm (L x Ø)	1	5896
EII318	PTFE Straight Stirrer	35 x 7 cm (L x Ø)	1	5896
EII319	PTFE Blade Stirrer	35 x 6.8 cm (L x Ø)	1	5896
EII320	PTFE Centrifugal Stirrer	35 x 8.5 cm (L x Ø)	1	5896

Spare Accessories for EII321 & EII322

Code	Product	Dimensions	No./case	Price/case (₹)
EII323	Universal Grand Plate Stand including support (holder) & fixing device	33.5 x 46.3 cm (L x W)	1	46305
EII324	Stainless Steel Grand Crossed Stirrer	60 x 10 cm (L x Ø)	1	4629
EII325	Stainless Steel Grand blade Stirrer	60 x 10 cm (L x Ø)	1	4629
EII326	Stainless Steel grand anchor Stirrer	60 x 10 cm (L x Ø)	1	4629
EII327	Stainless Steel grand Centrifugal Stirrer	60 x 10 cm (L x Ø)	1	4629



SPECIFICATIONS :

Code	E11310	E11311	E11321 & E11322
Voltage	220-240V	220-240V	220-240V
Frequency	50-60Hz	50-60Hz	50-60Hz
Power	70W	130W	200W
Speed Range	50 – 2200rpm	50 – 2200rpm	50 – 1100rpm
Speed Display	LED	LED	LCD
Max. Stirring Quantity	20L	40L	70L
Max Torque	40Ncm	60Ncm	300Ncm
Max Viscosity	10000mPas	50000mPas	100000mPas
Chuck range diameter	0.5 – 10mm	0.5 – 10mm	0.5 – 10mm
Overload Protection Display	LED, Motor Automatically Stops	LED, Motor Automatically Stops	LCD
Dimensions (W x D x H)	83 x 186 x 220 mm	83 x 186 x 220 mm	83 x 186 x 220 mm
Weight	2.8 kg	2.8 kg	3.2 kg
Data Interface RS232	No	No	Yes
Permissible ambient Temperature	5-40°C	5-40°C	5-40°C
Permissible ambient Humidity	80%	80%	80%
Protection class	IP21	IP21	IP21



233 SWIRLEX – VORTEX SHAKER

- Swirlex-Vortex is suitable for touch or continuous operation.
- Used for gentle shaking to rapid mixing of samples.
- These vortex shakers contain specially designed steel base with vacuum suction feet, excellent for damping vibration.
- A wide range of accessories are also available.



SWIRLEX – Vortex Shaker				
Code	Product	Work Plate Dimensions	No./case	Price/case (₹)
E11190	Swirlex Adjustable Vortex Shaker with standard cup	4 mm	1	14486

Spare Accessories				
Code	Product	No./case	Price/case (₹)	
E11191	Tube holding Rod	1	4995	
E11192	Universal 100mm top plate with 4 vaccum suction feet	1	1687	
E11198	Platform pad for tubes and vessels ø 99 mm	1	1890	
E11197	Tube Adapter for 48 holes test tube ø 6mm	1	1890	
E11193	Tube Adapter for 15 holes test tube ø 10mm	1	1890	
E11194	Tube Adapter for 16 holes test tube ø 12mm	1	1890	
E11195	Tube Adapter for 8 holes test tube ø 16mm	1	1890	
E11196	Tube Adapter for 8 holes test tube ø 20mm	1	1890	

Kindly Note: E11192 is required to run E11198, E11197, E11193, E11194, E11195, E11196 & E11196 Adapter.

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Speed Range	0 – 3000 rpm
Shaking Movement	Orbital
Motor Type	Shaded Pole Motor
Orbital Diameter	4mm
Run Type	Continuous/Touch operation
Dimensions (W x D x H)	127 x 160 x 130mm
Weight	2 kg
Power	60W
Permissible ambient temperature	5-40°C
Permissible relative humidity	80%
Protection Class	IP20

Note : Accessories to be purchased separately



Scan to watch product video.



Organization: IRL STDC

“ Great recommended ”

★★★★★ Average Rating 5.0

Ease of Use ★★★★★ Application Area: Using for making homogenized solution and innoculum

Ease of Use ★★★★★

After Sales Service ★★★★★ Easy to use, vortexing is good and useful for laboratory

After Sales Service ★★★★★

Value for Money ★★★★★ Review Date: 12 Jul 2023 | Abdos



SWIRLEX – MICROPLATE MIXER

- SWIRLEX - Microplate Mixer is used for holding single or double micro plates with an SBS footprint.
- This is widely used in life sciences including microbiology, cell and molecular biology, immunology and biotechnology for various mixing applications with optional adapters.
- The high speed and small diameter combine to offer a true vortexing action in each well of the micro plate. This action ensures both complete and uniform mixing.



SWIRLEX - Microplate Mixer			
Code	Product	No./case	Price/case (₹)
EII200	Swirlex Microplate Mixer Including Microplate Clamp (EII201) as standard	1	41638

Spare Accessories			
Code	Product	No./case	Price/case (₹)
EII201	Microplate clamp	1	962
EII202	Double microplate clamps	1	1082



SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Shaking Movement	Orbital
Speed Range	Single Microplate : 0-1500 rpm Double Microplate : 0-1000 rpm
Orbit Diameter	4.5 mm
Maximum Shaking Weight (With accessory)	0.5 Kg
Motor Type	Brushless DC Motor
Dimensions (W x D x H)	150 x 260 x 80mm
Permissible ambient temperature	5-40°C
Permissible relative humidity	80%
Protection Class	IP20



EII202

WAVEX – CLASSIC TUBE ROTATOR

- Wavex tube rotators provide gentle but effective mixing of biological samples, held in 1.5 ml to 50 ml tubes.
- Used in a variety of applications including immune precipitations, prevention of blood coagulation & latex diagnostics.
- Wavex-Classic Tube Rotator has Disk Type Design.



SWIRLEX - Classic Tube Rotator			
Code	Product	No./case	Price/case (₹)
EII300	Wavex-Classic Tube Rotator (with EII301, EII302 & EII303)	1	41508

Spare Accessories			
Code	Product	No./case	Price/case (₹)
EII301	Plastic Clips for 1.5 ml x 12 micro centrifuge tubes, Disk accessory	12	694
EII302	Plastic Clips for 15 ml x 12 micro centrifuge tubes, Disk accessory	12	866
EII303	Plastic Clips for 50 ml x 12 micro centrifuge tubes, Disk accessory	12	1098



SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Power	20W
Motor Type	DC Motor
Tilt Angle	90°
Speed Range	0-80rpm
Speed Display	Scale
Operation Type	Continuous
Dimensions (W x D x H)	220 x 300 x 310 mm
Weight	2 kg
Permissible ambient Temperature	5-40°C
Permissible ambient Humidity	80%
Protection Class	IP21

- Wavex tube rotators provide gentle but effective mixing of biological samples, held in 1.5 ml to 50 ml tubes.
- Used in a variety of applications including immune precipitations, prevention of blood coagulation & latex diagnostics.
- Wavex tube rotator has a disk type design.
- LCD display and digital speed control allows procedures to be accurate.
- Speed range of 10 to 70 rpm.
- Wavex tube rotator has an adjustable mixing angle between 0 - 90°.
- Wavex tube rotator has dual dish accessories for larger tubes.



SWIRLEX - Microplate Mixer

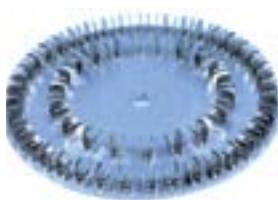
Code	Product	No./case	Price/case (₹)
EII270	Wavex-LCD Digital Tube Rotator with Disk accessory for 50ml x 8 Centrifuge Tubes (EII272)	1	91017

Spare Accessories

Code	Product	No./case	Price/case (₹)
EII271	Disk accessory for 1.5 ml x 60 micro centrifuge tubes	1	12502
EII272	Disk accessory for 50 ml x 8 centrifuge tubes	1	6252
EII273	Disk accessory for 15 ml x 16 centrifuge tubes	1	6878
EII274	Disk support rods used with disk accessories	4	3185

SPECIFICATIONS :

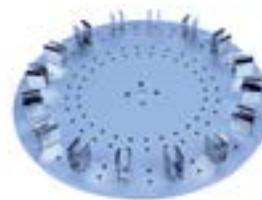
Voltage	220-240V
Frequency	50Hz / 60Hz
Power	40 W
Motor Type	Brushless DC Motor
Tilt Angle	0 – 90°
Speed Range	10-70 rpm
Speed & Timer Display	LCD
Time Setting Range	1 – 1199 min.
Operation Type	Continuous / timed operation
Dimensions (W x D x H)	210 x 280 x 300 mm
Weight	8 kg
Permissible ambient Temperature	5-40°C
Permissible ambient Humidity	80%
Protection Class	IP 21



EII271



EII272



EII273



EII274

- Wavex tube rotators provide gentle but effective mixing of biological samples, held in 1.5 ml to 50 ml tubes.
- Used in a variety of applications including immune precipitations, prevention of blood coagulation and latex diagnostics.
- Adjustable speed range from 0 to 80rpm.



SWIRLEX – Vortex Shaker		No./case	Price/case (₹)
Code	Product		
E11305	Wavex-Classic Rotating Mixer (comes with E11301, E11302 & E11303)	1	39690

Spare Accessories		No./case	Price/case (₹)
Code	Product		
E11301	Plastic Clips for 1.5 ml x 12 micro centrifuge tubes,Disk accessory	12	694
E11302	Plastic Clips for 15 ml x 12 micro centrifuge tubes,Disk accessory	12	866
E11303	Plastic Clips for 50 ml x 12 micro centrifuge tubes,Disk accessory	12	1098

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Power	20W
Motor Type	DC Motor
Speed Range	0-80rpm
Speed Display	Scale
Operation Type	Continuous
Dimensions (W x D x H)	530 x 150 x 190 mm
Weight	1.7 kg
Permissible ambient Temperature	5-40°C
Permissible ambient Humidity	80%
Protection Class	IP21



WAVEX-LCD ROTATING MIXER

- Wavex -LCD Rotating Mixer give gentle but effective mixing of biological samples to be held in 1.5 ml to 50 ml tubes used in a variety of applications including immune precipitations, prevention of blood coagulation and latex diagnostics.
- Wavex rotating mixer has a rotisserie type design.
- LCD displays and digital speed control allows procedures to be accurate.



Wavemax - LCD Rotating Mixer

Code	Product	No./case	Price/case (₹)
E11280	LCD Digital Rotating Mixer with Rotisserie accessory for 50 ml x 16 centrifuge tubes Vertically (E11285)	1	91321

Spare Accessories

Code	Product	No./case	Price/case (₹)
E11281	Rotisserie accessory for 1.5 ml x 48 micro centrifuge tubes horizontally	1	12613
E11282	Rotisserie accessory for 50 ml x 24 centrifuge tubes horizontally	1	11352
E11283	Rotisserie accessory for 15 ml x 24 centrifuge tubes horizontally	1	11352
E11284	Rotisserie accessory for 1.5 ml x 32 micro centrifuge tubes vertically	1	11352
E11285	Rotisserie accessory for 50 ml x 16 centrifuge tubes vertically	1	11352
E11286	Rotisserie accessory for 15 ml x 16 centrifuge tubes vertically	1	11352
E11274	Disk support rods with disk accessories	4	3185

SPECIFICATIONS :

Voltage	220-240V
Frequency	50Hz / 60 Hz
Power	40 W
Motor Type	Brushless DC Motor
Tilt Angle	0 - 90°
Speed Range	10-70 rpm
Speed & Timer Display	LCD
Time Setting Range	1 - 1199 min.
Operation Type	Continuous / timed operation
Dimensions (W x D x H)	510 x 220 x 260 mm
Weight	8 kg
Permissible ambient Temperature	5-40°C
Permissible ambient Humidity	80%
Protection Class	IP 21



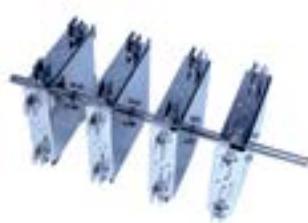
E11281



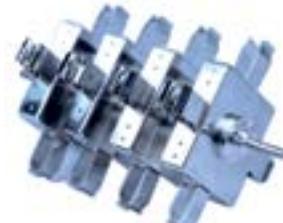
E11282



E11283



E11284



E11285



E11286

- Abdos Digital rocking shakers are used for staining and destaining gels, hybridization procedures, haematology and blotting techniques.
- Designed to provide precise speed and tilt angles required for broad range of molecular and biological mixing applications.
- It boasts of digital speed control and large LCD display, speed and timer can be viewed simultaneously.
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat that holds vessels and prevents it from slipping.
- Specially designed and developed compact space-saving design fits easily in the incubator.


WAVEMAX – LED Digital Rocking Shaker

Code	Product	No./case	Price/case (₹)
E11495	Wavemax – Digital Rocking Shaker with Dish platform with non-Slip Mat and fixed strings (8 pcs.) (E11452)	1	105509

Spare Accessories for Digital Rocking Shaker (E11495)

Code	Product	No./case	Price/case (₹)
E11451	Universal attachment with 3 Bars	1	13338
E11452	Dish platform with non-slip mat and fixed strings (8 pcs.)	1	12636
E11453	Fixing clip attachment	1	7020
E11415	Fixing clip for 25 ml flask	1	1326
E11416	Fixing clip for 50 ml flask	1	1326
E11417	Fixing clip for 100 ml flask	1	1326
E11418	Fixing clip for 200/250 ml flask	1	2505
E11419	Fixing clip for 500 ml flask	1	2505

* Pls note E11453 is required to run E11415, E11416, E11417, E11418 & E11419.

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Power	40W
Motor type	DC Motor
Rocking motion	See-saw rocking
Maximum load capacity (With Platform)	10 kg
Tilt angle	9°
Speed range	10-70rpm
Speed & timer display	LCD
Time range	1 min – 19 h 59 min
Operation Type	Continuous /timed operation
Dimensions (W x D x H)	360 x 410 x 200 mm
Weight	9 Kg
Permissible ambient temperature	5-40°C
Permissible ambient Humidity	80%
Protection class	IP21



Universal attachment with bars



Dish attachment with non-slip mat

- Wavemax digital (3D) dancing shakers are used for staining and destaining gels, hybridization procedures, haematology and blotting techniques.
- This 3 dimensional shaker is designed to provide precise speed and tilt angles required for broad range of molecular and biological mixing applications.
- Abdos LED dancing shaker boasts of digital speed control and large LED display, speed and timer can be viewed simultaneously.
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat that holds vessels and prevents it from slipping.
- Specially designed and developed compact space-saving design fits easily in the incubator.



WAVEMAX – Digital (3D) Dancing Shaker

Code	Product	No./case	Price/case (₹)
EII895	Wavemax – Digital Dancing Shaker with platform with Dish Attachment with non-Slip Mat and fixed stings (8 pcs.) (EII452)	1	105509

Spare Accessories for Digital (3D) Dancing Shaker (EII895)

Code	Product	No./case	Price/case (₹)
EII451	Universal attachment with 3 Bars	1	13338
EII452	Dish platform with non-slip mat and fixed strings (8 pcs.)	1	12636
EII453	Fixing clip attachment	1	7020
EII415	Fixing clip for 25 ml flask	1	1326
EII416	Fixing clip for 50 ml flask	1	1326
EII417	Fixing clip for 100 ml flask	1	1326
EII418	Fixing clip for 200/250 ml flask	1	2505
EII419	Fixing clip for 500 ml flask	1	2505

*Please note EII453 is required to run EII415, EII416, EII417, EII418 & EII419.

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Power	40W
Motor type	DC Motor
Rocking motion	3 Dimensional
Maximum load capacity (With Platform)	5 kg
Tilt angle	9°
Speed range	10-70 rpm
Speed & timer display	LCD
Time range	1 min – 99h 59min
Operation Type	Continuous /timed operation
Dimensions (W x D x H)	360 x 430 x 106 mm
Weight	9 Kg
Permissible ambient temperature	5-40°C
Permissible ambient Humidity	80%
Protection class	IP21



Universal attachment with bars



Dish attachment with non-slip mat

- Abdos orbital shakers are capable of mixing and shaking liquids in bottles, flasks, vessels, test tubes & dishes.
- Independent LED display for adjusting speed and time. Speed and timer can be viewed simultaneously.
- Maximum load capacity of 2.0 kg with platform.
- Specially designed and developed compact space-saving design fits easily in the incubator and refrigerator.
- Continuous or timer operation mode.
- Over speed detection and protection.


WAVEMAX – Digital Orbital Shaker

Code	Product	No./case	Price/case (₹)
E11460	Wavemax – LED Digital Orbital Shaker with dish attachment fixed plate with non-slip mat (E11452)	1	50715

SPECIFICATIONS :
E11460

Voltage	220-240V
Frequency	50-60Hz
Power	20W
Motor Type	Brushless DC Motor
Shaking Motion	Orbital
Orbital Diameter	20mm
Maximum load capacity (With Platform)	2.0 kg
Speed Range	40-200rpm
Speed & Timer Display	LED
Time Range	1 min – 19h59min
Operation Type	Continuous /timed operation
Dimensions (W x D x H)	294 x 348 x 123 mm
Weight	3.1 Kg
Permissible ambient Temperature	5-40°C
Permissible ambient Humidity	80%
Protection Class	IP21
Work Plate Dimension	268 x 268 mm

Spare Accessories for E11460

Code	Product	No./case	Price/case (₹)
E11452	Dish attachment fixed plate with non-slip mat	1	12636



242 WAVEMAX - HEAVY DUTY LCD DIGITAL ORBITAL & LINEAR SHAKER

- Abdos orbital and linear shakers are capable of mixing and shaking liquids in bottles, flasks, vessels, test tubes & dishes.
- Independent LCD display for adjusting speed and time, speed and timer can be viewed simultaneously.
- Maximum load capacity of 7.5 kg with platform.
- Specially designed and developed compact space-saving design fits easily in the incubator and refrigerator.
- Timer or continuous operation mode.
- Over speed detection and protection.



WAVEMAX - Heavy Duty LCD Digital Orbital Shaker

Code	Product	No./case	Price/case (₹)
E11480	Wavemax - Heavy Duty Orbital Shaker with universal Attachment with 4 Bars (E11411)	1	106481

WAVEMAX - Heavy Duty LCD Digital Linear Shaker

Code	Product	No./case	Price/case (₹)
E11490	Wavemax - Heavy Duty Linear Shaker with universal Attachment with 4 Bars (E11411)	1	106481

Spare Accessories for E11480 & E11490

Code	Product	No./case	Price/case (₹)
E11411	Universal attachment with 4 Bars	1	13672
E11413	Dish attachment with non-slip mat & fixed string	1	12125
E11414	Fixing clip attachment	1	8934
E11415	Fixing clip for 25 ml flask	1	1326
E11416	Fixing clip for 50 ml flask	1	1326
E11417	Fixing clip for 100 ml flask	1	1326
E11418	Fixing clip for 200/250 ml flask	1	2505
E11419	Fixing clip for 500 ml flask	1	2505

* Pls note E11414 is required to run E11415, E11416, E11417, E11418 & E11419.



Universal attachment with bars



Dish attachment with non-slip mat



Fixing clamp attachment

SPECIFICATIONS :

	E11480	E11490
Voltage	220-240V	220-240V
Frequency	50-60Hz	50-60Hz
Power	28W	30W
Motor Type	Brushless DC Motor	Brushless DC Motor
Shaking Motion	Orbital	Linear
Orbital Diameter	10 mm	10 mm
Maximum load capacity (With Platform)	7.5kg	7.5kg
Speed Range	100-500 rpm	100-350 rpm
Speed & Timer Display	LCD	LCD
Time Range	1 min - 99 h 59 min	1 min - 99 h 59 min
Operation Type	Continuous /timed operation	Continuous /timed operation
Dimensions (W x D x H)	370 x 420 x 100 mm	370 x 420 x 100 mm
Weight	12 Kg	13.5 Kg
Permissible ambient Temperature	5-40°C	5-40°C
Permissible ambient Humidity	80%	80%
Protection Class	IP21	IP21

WAVEMAX – ORBITAL SHAKER JUNIOR

- Abdos orbital shaker has digital speed control of upto 300 rpm.
- These shakers have horizontal circular 19 mm orbit for aeration and mixing.
- Universal magnetic clamp can be instantly exchanged.
- These shakers have a capacity of up to 20 x 50ml, 12 x 125 ml, 8 x 250 mL, 5 x 500 ml, 4 x 1L flasks.



WAVEMAX – Orbital ShakerJunior				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11260	Wavemax – Orbital Shaker Junior with flat mat	9.5" x 8"	1	73500
Spare Accessories				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11261	Universal Magnetic platform for flasks and tube racks	11" x 9.5"	1	POR

Kindly Note: Flask clamps and Fixed Platforms are sold separately. See page No. 179 for complete listing

SPECIFICATIONS :

Voltage	220-240 V
Frequency	50 Hz
Shaking Movement	Orbital
Timer	1 min-99 hrs59min
Speed Range	50 – 300 rpm, Variable
Speed Increment	10 rpm
Orbit	19 mm
Load Capacity	Maximum 4 kg
Dimension (W x D x H)	333 x 298 x 120 mm
Weight	5.5 kg
Permissible ambient temperature	+4 to +65° C
Permissible relative humidity	80%



WAVEMAX – ORBITAL SHAKER

- Abdos powerful orbital shaker is capable of mixing liquids upto a load capacity of 6 kg in bottles, flasks, test tubes & dishes.
- Abdos orbital shaker has digital speed control of upto 300 rpm.
- These shakers have high capacity of upto 24 x 125 ml, 14 x 250 ml, 9 x 500 ml, 5 x 1L and 2 x 2L flasks and bottles.
- These shakers have horizontal circular 19 mm orbit for aeration and mixing.
- Universal magnetic clamp can be instantly exchanged.



WAVEMAX – Orbital Shaker				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11290	Wavemax – Orbital Shaker with flat mat	13" x 12"	1	196796
Spare Accessories				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11291	Universal Magnetic platform for flasks and tube racks	14" x 12"	1	POR

Kindly Note: Flask clamps and Fixed Platforms are sold separately. See page No. 182 for complete listing

SPECIFICATIONS :

Voltage	220-240V
Frequency	50 Hz
Shaking Movement	Orbital
Speed Range	30 – 300 rpm, Variable
Speed Increment	1 rpm
Orbit	19 mm
Load Capacity	Maximum 6 kg
Dimension (W x D x H)	280 x 430 x 75 mm
Weight	11.25 kg
Permissible ambient temperature	+4 to +65° C
Permissible relative humidity	80%



245 WAVEMAX-DIGITAL INCUBATOR

- Wavemax-Digital Incubators provide the facility to monitor the chamber temperatures in real time.
- Has large internal chambers with two adjustable shelves for increased space. Internal Power Outlet for Installation of other Equipment for sample agitation within the Digital Incubators.
- Wavemax-Digital Incubator is available in a heating unit or heating and cooling for lower temperature applications.



Wavemax - Digital Incubator				
Code	Product	No./case	Price/case (₹)	
E11355	Heating Digital Incubator	1	83727	
E11356	Heating & Cooling Digital Incubator	1	126350	

Spare Accessories				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11357	Extra Shelf, 10.5 x 8 inch, Plastic (not autoclavable)	6" x 8"	1	7733

SPECIFICATIONS :	E11355	E11356
Voltage	220-240 V	220-240 V
Frequency	50-60 Hz	50-60 Hz
Temp. Range (Heating)	Ambient +5°C to 60°C	Ambient -15°C to 60°C
Temp. Operation	Only Heating	Heating & Cooling
Temp. Accuracy	±0.5°C (at 37°C)	±0.5°C (at 37°C)
Temp. Uniformity	±1.5°C (at 37°C)	±1.5°C (at 37°C)
Temp. Increment	1°C	1°C
Platform Dimensions	235 x 290 mm(6 x 8 in)	235 x 290 mm(6 x 8 in)
Operating Temp. Range	+5 to 45°C	+5 to 45°C
Exterior (W x D x H)	335 x 370 x 475 mm	335 x 370 x 475 mm
Interior (W x D x H)	260x235x325mm	260x235x325mm
Capacity	20L	20L
Weight	6.5 kg	6.5 kg



*Minimum temperature is approx. 10°C in 25°C room temp.

246 WAVEMAX - INCU-SHAKER MINI

- Wavemax-Incu-Shaker Mini is a compact shaking incubator that can accept a variety of flasks, tubes, trays, etc.
- The standard platform features a non-slip surface ideal for staining trays, tissue culture flasks, and Petri dishes.
- Abdos Incu-Shaker offer exceptional temperature uniformity and accuracy due to a proprietary heat distribution technology that ensures temperatures are precisely maintained throughout the chamber within 0.5%, even in the corners.
- Featuring the MAGIC Clamp platform, this shaker lets you customize the size and types of vessels being used by simply exchanging clamp sizes. Clamps utilize a powerful magnetic base to securely attach to the shaking platform without screws, bolts, or tools.
- Speed, temperature, and time are controlled with a push of a button and are displayed on the LED panel.
- Over temperature and over speed controls ensure safety, long life, and sample integrity.
- Advanced motor isolation system minimizes noise and vibration.



WAVEMAX - INCU-SHAKER				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11920	Wavemax-Incu-Shaker Mini with Non-Slip Rubber Mat	9.5" x 11.5"	1	406827

Spare Accessories				
Code	Product	Platform Dimension	No./case	Price/case (₹)
E11925	Universal Magnetic Platform for Flasks and Tube racks (For E11920)	9.5" x 11.5"	1	38309

Kindly Note: Flask clamps and Fixed Platforms are sold separately, see page No. 182 for complete listing

SPECIFICATIONS :

Voltage	220-240V
Frequency	50-60Hz
Speed	Variable, 30 to 300rpm
Speed Increments	1rpm
Shaking Orbit	19mm
Temperature Range	Room Temperature +5°C to 70°C
Temperature Increment	0.1°C
Temperature Accuracy	±0.1°C
Temperature Uniformity	±0.5°C
Timer	1 min to 48 hours/continuous
Platform Dimensions	23.5 x 29cm (9.5"x11.5")
Overall Dimensions (W x D x H)	280 x 410 x 330 mm
Weight	11.5 kg



Spare Accessories for EII260, EII280 & EII920				Spare Accessories for EII290 & EII920			
Code	Product	No./case	Price/case (₹)	Code	Product	No./case	Price/case (₹)
EII928	Universal Magnetic Clamp for 125ml, 250ml, 500ml flasks	1	7723	EII939	Magnetic Clamp for Tube Rack 4x500ml or 600ml conical bottles	1	28079
EII929	Magnetic Clamp for 1000 ml flask (Max. 2)	1	9831	EII940	Magnetic Clamp for Tube Rack 12x1.5/2.0 ml tubes horizontal	1	16714
EII930	Magnetic Clamp for 500 ml flask (Max. 5)	1	6329	EII941	Magnetic clamp for tube Rack 4x15ml tubes horizontal	1	16714
EII931	Magnetic Clamp for 250 ml flask (Max. 8)	1	6329	EII942	Magnetic Clamp for Tube Rack 2x50ml tubes horizontal	1	16714
EII932	Magnetic Clamp for 125 ml flask (Max. 12)	1	5617	EII943	Magnetic Clamp for tilted holder for 15ml and 50ml tube rack	1	18719
EII933	Magnetic Clamp for 50 ml flask (Max. 20)	1	5196	EII944	Universal spring Platform	1	129391
EII934	Magnetic Clamp for one Microplate	1	13371	EII948	Platform for 5 x 500 ml	1	82068
EII935	Magnetic Clamp for Tube Rack 30x15ml &20x50ml tubes	1	26475	EII949	Platform for 8 x 250 ml	1	82098
EII936	Magnetic Clamp for Tube Rack 72x14mm culture tubes	1	24068	EII950	Platform for 12 x 125 ml	1	82098
EII937	Magnetic Clamp for Tube Rack 32x15ml, tubes	1	13881	EII951	Platform for 4 microplates	1	131856
EII938	Magnetic Clamp for Tube Rack 15x50ml, tubes	1	13881				

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AEROVAC-OIL-FREE VACUUM PUMPS

- ABDOS Aerovac Oil Free Vacuum Pump is a compact, lightweight and mobile oil-free piston Vacuum pump.
- It features manual pressure control and a gauge for pressure monitoring.
- The unit is maintenance-free and its oil-free design reduces its environmental impact.
- The pump can achieve flow rates of up to 80 L/min and an ultimate vacuum down to 13 mbar.
- A wide range of optional accessories are available.
- Application Areas:** Abdos Vacuum Pump is useful for Biology laboratories, Food industry, Microbiological detection, Vacuum extraction, Liquid filtration, Vacuum drying, Suspended solids measurement.



Oil Free Vacuum Pump				
Code	Product	Product Dimension	No./case	Price/case (₹)
EII800	Aerovac-300	Vacuum: 100mbar; Max. Flow Rate: 17 L/min(220V)	1	33427
EII801	Aerovac-400	Vacuum: 100 mbar; Max. Flow Rate: 34 L/min(220V)	1	39142
EII806	Aerovac-800	Vacuum: 100 mbar; Max. Flow Rate: 80 L/min(220V)	1	96268

Spare Accessories				
Code	Product	Product Dimension	No./case	Price/case (₹)
E11810	Connectors	Outlet diameter: 9.5mm	1	8826
E11815	L-shape connector	Outlet diameter: 8mm	1	15447
E11816	Quick connection outlet	Outlet diameter: 12mm	1	10296
E11821	Silencer	Suitable for Aerovac300 / Aerovac400 / Aerovac410	1	8826
E11823	Vacuum regulator / filter	Incl. pressure gauge	1	35004
E11824	Vacuum regulator / filter	without pressure gauge	1	28684
E11825	Foot pedal	Suitable for Aerovac series vacuum pumps	1	20444
E11826	FEP tubing	Outer diameter: 6mm, Inner diameter: 4mm, Thickness: 1 mm, Length : 1m	1	5152
E11830	Silicon tubing	Outer diameter: 12mm, Inner diameter: 6mm, Thickness: 3mm, Length : 1m	1	3680

SPECIFICATIONS :	E11800	E11801	E11806
Volt	220 V	220 V	220 V
Frequency	50 Hz	50 Hz	50 Hz
Maximum Power	60 W	80 W	220 W
Maximum Current	0.3 A	0.4 A	1.0 A
Maximum Vacuum	100 mbar	100 mbar	100 mbar
Maximum Flow Rate	17 L/min	34 L/min	80 L/min
Motor Rotation	1450 rpm	1450 rpm	1450 rpm
Dimension (W x D x H)mm	272 x 142 x 165	310 x 152 x 165	340 x 185 x195
Weight	4.4 Kg	5.4 Kg	8.6 Kg
Noise Level	50 dB	60 dB	75 dB



General Conversion Table



Instructions for using the Table

To Convert one unit of (A) into (B) multiply by (C)

To Convert one unit of (B) into (A) multiply by (D)

A	B	C ($\times 1$ unit of A = B)	D ($\times 1$ unit of B = A)	A	B	C ($\times 1$ unit of A = B)	D ($\times 1$ unit of B = A)
Inches	Centimetres	2.54	0.3937	Lb. per sq. in	H'd of water (M.)	0.7	1.4285
Feet	Centimetres	30.48	0.0328	Lb. per sq. in	Atmospheres	0.068	14.7
Yards	Metres	0.194	1.094	Tons per sq. in	Kgm. / sq. mm.	1.575	0.635
Miles	Metres	1,609.30	0.000621	Lb. per sq. ft	Kgm. / sq. metre	4.883	0.205
Nautical miles	Metres	1,853.27	0.000539	Lb. per cub. yd.	Kgm. / cub. metre	0.593	1.686
Square inches	Sq. cms	6.45	0.155	Lb. per cub. ft	Kgm. / cub. metre	16.02	0.0624
Square feet	Sq. Metres	0.093	10.764	Lb. per gallon	Kgm. / litre	0.0998	10.02
Square yards	Sq. Metres	0.836	1.196	Foot-lb	K'gram-metres	0.1833	7.23
Cubic inches	Cub. cms.	16.39	0.061	Foot-tons	Tonne-metres	0.33	3
Cubic feet	Litres	28.3	0.0353	Hors-Power	Force de Cheval	1.014	0.9861
Cubic feet	Gallons	6.24	0.1602	Hors-Power	Watts	746	0.00134
Cubic yards	Cub. metres	0.765	1.308	Hors-Power	Ft.-lb / min	33,000	0.00003
Pounds (Troy)	Kilogrammes	0.3732	2.68	Hors-Power	Kg.-m. / sec..	73	0.01316
Ounces (Troy)	Grammes	31.1	0.03216	Watts	Ft.-lb. / min	44	0.0227
Pounds (Avoir.)	Kilogrammes	0.4536	2.2046	Watts	Kg.-m. / sec	0.1	10
Pounds (Avoir.)	Grains (Troy)	7,000	0.000143	Heat units	Cal ories	0.252	3.97
Ounces (Avoir.)	Grammes	28.35	0.0353	Atmospheres	Lb. / sq. inch	14.7	0.068
Grains	Grammes	0.065	15.38	German candles	English candles	0.90	1.1111
Cwt.	Kilogrammes	50.8	0.01968	Carcels	Candles.	9.55	0.1047
Tons	Kilogrammes	1,016	0.000984	Joules	Ft. / lb	0.737	1.357
Gallons	Litres	4.546	0.22	Miles / hour	Ft. / Min	88	0.01134
Gallons of water	Pounds	10	0.1	Metres / sec	Ft / Min.	197	0.00508
Pounds of water	Litres	0.454	2.202	C.H.U	B. Th. U.	1.8	0.5555
Lb per sq. in.	Gm./sq. cm.	70.3	0.0142	Centipoise	Lb. force sec. / Sq. ft.	0.208	4.8
Lb per sq. in.	H'd of water (ft.)	2.3	0.434				
To obtain	From	Multiply-by above		To obtain	From	Multiply-by above	

PERIODIC TABLE OF THE ELEMENTS



KEY		Elements																			
Non-Metals	Alkali Metals	Alkaline-Earth Metals	Transition Metals	Semi-Metallics	Actinides	Lanthanides		Halogens		Inert Gases		Other Metals		Halogenides		Alkaline-Earth Metals		Alkali Metals		Non-Metals	
Hydrogen	1	H	Hydrogen	1.0079	Hydrogen	1	Hydrogen	1.0079	Hydrogen	1	Hydrogen	1	Hydrogen	1	Hydrogen	1	Hydrogen	1	Hydrogen	1	
Li	3	Be	Be	9.0122	Li	3	Be	9.0122	Li	3	Be	3	Li	3	Be	3	Li	3	Li	3	
Na	11	Mg	Mg	24.3023	Na	11	Mg	24.3023	Na	11	Mg	12	Na	11	Mg	12	Na	11	Na	11	
K	19	Ca	Sc	40.070	K	19	Ca	40.070	K	19	Ca	20	K	19	Ca	20	K	19	Ca	20	
Rb	37	Sr	Y	85.469	Rb	37	Sr	85.469	Rb	37	Sr	38	Rb	37	Sr	38	Rb	37	Sr	38	
Cs	55	Ba	Ta	132.911	Cs	55	Ba	132.911	Cs	55	Ba	56	Cs	55	Ba	56	Cs	55	Ba	56	
Fr	87	Ra	Ra	178.900	Fr	87	Ra	178.900	Fr	87	Ra	88	Fr	87	Ra	88	Fr	87	Ra	88	
La	57	Ce	Pr	138.913	La	57	Ce	138.913	La	57	Ce	58	La	57	Ce	58	La	57	Ce	58	
Ac	89	Th	Pa	222.011	Ac	89	Th	222.011	Ac	89	Th	90	Ac	89	Th	90	Ac	89	Th	90	
He	2	He	He	4.0026	He	2	He	4.0026	He	2	He	2	He	2	He	2	He	2	He	2	
B	5	C	Al	10.811	B	5	C	10.811	B	5	C	6	B	5	C	6	B	5	C	6	
Si	13	Si	Si	28.085	Si	13	Si	28.085	Si	13	Si	14	Si	13	Si	14	Si	13	Si	14	
P	15	S	As	30.974	P	15	S	30.974	P	15	S	16	P	15	S	16	P	15	S	16	
Cl	17	Cl	Se	32.065	Cl	17	Cl	32.065	Cl	17	Cl	18	Cl	17	Cl	18	Cl	17	Cl	18	
Ar	18	Ar	Br	35.453	Ar	18	Ar	35.453	Ar	18	Ar	19	Ar	18	Ar	19	Ar	18	Ar	19	
Kr	36	Kr	I	39.964	Kr	36	Kr	39.964	Kr	36	Kr	37	Kr	36	Kr	37	Kr	36	Kr	37	
Xe	54	Xe	At	111.970	Xe	54	Xe	111.970	Xe	54	Xe	55	Xe	54	Xe	55	Xe	54	Xe	55	
Rn	86	Rn	Po	209.901	Rn	86	Rn	209.901	Rn	86	Rn	87	Rn	86	Rn	87	Rn	86	Rn	87	
Ts	118	Ts	Og	226.021	Ts	118	Ts	226.021	Ts	118	Ts	119	Ts	118	Ts	119	Ts	118	Ts	119	

Physical Properties Of Abdos Labware



Resin	Max Use Temp °C	Brittleness Temp °C	Transparency	Sterilization					Specific Gravity	Flexibility	Water Absorption %
				Autoclaving	Gas	Dry Heat	Radiation	Disinfectant			
HDPE	120	-100	Translucent	No	Yes	No	Yes	Yes	0.95	Rigid	< 0.01
LDPE	80	-100	Translucent	No	Yes	No	Yes	Yes	0.92	Excel	< 0.01
PC	135	-135	Clear	Yes+	Yes	No	No	Yes	1.20	Rigid	0.35
PMMA	50	20	Clear	No	Yes	No	Yes	Some	1.20	Rigid	0.30
PP	135	0	Translucent	Yes	Yes	No	No	Yes	0.90	Rigid	< 0.02
PS	90	20	Clear	No	Yes	No	Yes	Some	1.05	Rigid	0.05
PSF	165	-10	Clear	Yes	Yes	Yes+	Yes	Yes	1.24	Rigid	0.30
PTFE	270	-200	Opaque	Yes	Yes	Yes	No	Yes	2.17	Excel	< 0.01
PVDF	110	-62	Translucent	Yes	Yes	No	No	Yes	1.75	Rigid	0.05
TPX*	175	20	Clear	Yes	Yes	Yes+	No	Yes	0.83	Rigid	< 0.01

Sterilization

• Autoclaving (121°C, 15 psi for 20 minutes) Clean and rinse item with distilled water before autoclaving. Certain chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures.

ALWAYS COMPLETELY DISENGAGE THREADS BEFORE AUTOCLAVING.

• Gas - Ethylene oxide, formaldehyde.

- Dry Heat - 106°C for 120 minutes.
- Disinfection - Benzalkonium chloride, Formalin, Ethanol,etc.
- Radiation - Gamma irradiated at 2.5 Mrad with unstabilized plastic.
- + Sterilizing reduces mechanical strength. Do not use PC vessels for vacuum application if they have been autoclaved.

Chemical Resistance for ABDOS Labware

Class of Substance at Room Temperature	HDPE	LDPE	PC	PMMA	PP	PS	PSF	PTFE	PVDF	TPX*	Resin Code
Acids, Dilute or Weak	E	E	E	G	E	E	E	E	E	E	HDPE High-density polyethylene
Acids, Strong and Concentrated	E	E	N	N	E	F	G	E	E	E	LDPE Low-density polyethylene
Alcohols, Aliphatic	E	E	G	N	E	E	G	E	E	E	PC Polycarbonate
Aldehydes	G	G	F	G	G	N	F	E	E	G	PMMA Polymethyl methacrylate
Bases	E	E	N	F	E	E	E	E	E	E	PP Polypropylene
Esters	G	G	N	N	G	N	N	E	G	G	PS Polystyrene
Hydrocarbons, Aliphatic	G	F	F	G	G	N	G	E	E	F	PSF Polysulfone
Hydrocarbons, Aromatic	G	F	N	N	F	N	N	E	E	F	PTFE Polytetrafluoroethylene
Hydrocarbons, Halogenated	F	N	N	N	F	N	N	E	N	N	PVDF Polyvinylidene fluoride
Ketones	G	G	N	N	G	N	N	E	N	F	TPX* Polymethylpentene
Oxidizing Agents, Strong	F	F	N	N	F	N	G	E	G	F	

Chemical Resistance Classification

E = Excellent - 30 Days of constant exposure cause no damage. Plastics may even tolerate for years.

G = Good - Little or no damage after 30 Days of constant exposure to the reagent.

F = Fair - Some effect after 7 days of constant exposure to the reagent, like cracking, loss of strength or discoloration.

N = Not Recommended - Not for continuous use. Immediate damage may occur.

*TPX is the registered Trade Mark of Mitsui & Company Limited

Thermoplastics Chemical and Properties

CHEMICAL STABILITY OF PLASTICS

MEDIUM	PTFE		PMP(TPX)		PP		HDPE		LDPE		PC		POM		PA		SAN		PMMA		PS		NR	
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	
Acetaldehyde	E	E	G	F	E	F	E	G	E	F	G	F	E	E	G		F	F	F	F	F	F	F	
Acetic acid (glacial acetic acid), 100%	E	E	E	G	E	G	E	E	E	G	F	F	F	F	F	F			F	F	G			
Acetic acid 50%	E	E	E	E	E	E	E	E	E	E	G	G	F	F	F	E	G	F	F	G	G	F		
Acetic anhydride	E	E	E	G	G	G	G	G	F	F	F	F	F	F	G	G			F	F	G			
Acetone	E	E	E	E	E	E	E	E	E	G	F	F	E	E	E	E	F	F	F	F	F	F	G	
Acetonitrile	E	E	G	F	E	G	E	G	E	G	F	F	E	E	E	E	F	F	F	F	F	F	F	
Acetophenone	E	E	G	F	G	G	G	G	F	F	F	F	E	E	E	E	F	F	F	F	F	F	F	
Acetyl chloride (acetic acid chloride)	E	E			E		E		E		F	F			F	F	F	F	F	F	F	F	F	
Acetylacetone	E	E	E		E		E		E		F	F	E				F	F	F	F	F	F	F	
ACRYLIC acid(2- propenic acid)	E	E	E		E		E		E		F	F	F	F			F	F	F	F	F	F	F	
Acrylonitrile	E	E	F	F	G	F	E	E	E	E	F	F	F	F	E		F	F	F	F	F	F	F	
Adipic acid	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Allyl alcohol(2-propan-1-ol)	E	E	E	G	E	E	E	E	E	E	G	G	E	E	G		G	F	F	G	G	G	G	
Alumminium chloride	E	E	E	E	E	E	E	E	E	E	F	F	E	G	G	F	E	E	E	E	E	E	G	
Alumminium hydroxide	E	E	E	G	E	E	E	E	E	E	G	F	E	E	E	E	G	G	G	G	G	G	E	
Amino acid	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Ammonium chloride	E	E	E	E	E	E	E	E	E	E	G	G	E	E	E	E	E	E	G	G	E	E	E	
Ammonium fluoride	E	E	E	E	E	E	E	E	E	E	G	G	E	E	E	E	E	E	G	G	E	E	F	
Ammonium hydroxide,30%(ammonia)	E	E	E	E	E	E	E	E	E	E	F	F	G	G	G		E	G	E	E	G	F	E	
Ammonium sulphate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	
n-Amyl acetate (pentyl acetate)	E	E	E	G	G	F	E	G	G	F	F	F	E	E	G		F	F	E	E	F	F	G	
Amyl alcohol (pentanol)	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	G	G	
Amyl chloride (chloropentane)	E	E	F	F	F	F	F	F	F	F	F	F	E	E	E	E	F	F	F	F	F	F	F	
Aniline	E	E	E	G	E	E	E	E	E	E	G	G	F	G	G	G	F	F	F	F	F	F	F	
Aqua regia	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Barium chloride	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Benzaldehyde	E	E	E	E	E	E	E	E	E	E	E	E	G	F	E	G	F	F	F	F	F	F	F	
Benzene	E	E	G	G	E	G	E	E	G	F	F	F	E	G	E	F	F	F	F	F	F	F	F	
Benzoyl chloride	E	E	G	G	E	G	E	E	G	F	F	F	E	G	F	F	F	F	F	F	F	F	F	
Benzyl alcohol	E	E	G	F	G	F	G	F	G	F	G	G	E	E	F	F	F	F	F	F	F	F	F	
Benzyl chloride	E	E											E	E					F	F	F	F	F	
Benzylamine	E	E	G		G		G		G	F	F	F	E				F	F	F	F	F	F	F	
Boric acid, 10%	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	
Bromine	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Bromobenzene	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Bromoform	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Bromonaphthalene	E	E															F	F			F		F	
Butanediol	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F	G	
1-Butanol (butyl alcohol)	E	E	E	G	E	E	E	E	E	E	G	G	E	E	E	E	G	E	G	G	F	G	F	
n-Butyl acetate (acetic acid n-butyl ester)	E	E	E	G	G	G	E	E	G	G	F	F	E	G	E		F	F	F	F	F	F	F	
Butyl methyl ether	E	E	E	F	E	G	G	F	G	F	F	F	E	E	E	E	F	F	F	F	F	F	F	
Butylamine	E	E									E	E					F	F			F	F	F	
Butyric acid (butanoic acid)	E	E			F	F	G	F	F	F	G	F					G	G	F	F	F	F	F	
Calcium carbonate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Calcium Chloride	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E	
Calcium hydroxide	E	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E	E	G	E	E	E	G	E	
Calcium hypochlorite	E	E	E	G	E	E	E	E	E	E	G	F	E	E	E	F	E	E	G	G	E	E	F	
Carbon disulphide	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	E	G	F	F	F	F	F	F	
Carbon tetrachloride	E	E	F	F	F	F	G	F	G	F	F	F	F	G	G	F	F	F	F	G	F	F	F	
Chloroacetaldehyde, 45%	E	E															F	F	F	F	F	F	F	F
Chloroacetic acid (monochloroacetic acid)	E	E	E	G	E	E	E	E	E	G	F	F	F	F	F	F	F	G	F	G	F	F	F	
Chloroacetone	E	E															F	F	F	F	F	F	F	G

MEDIUM	PTFE	PMP(TPX)		PP		HDPE		LDPE		PC		POM		PA		SAN		PMMA		PS		NR		
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	
Chlorobenzene	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Chlorobutane	E	E	G	F	G	F	G	F	G	F			F	F			F	F	F	F	F	F	F	
Chloroform	E	E	G	F	F	F	G	F	G	F	F	F	F	G	F	F	F	F	F	F	F	F	F	
Chloronaphthalene	E	E									F	F											F	
Chlorosulphonic acid	E	E									F	F	F	F									F	
Cromic acid, 10%	E	E	E	E	E	E	E	E	E	E	G	G	G	F	F	F	F	G	F	F	F	F	F	
Cromic acid, 50%	E	E	G	G	G	G	E	G	E	G	G	F	F	F	F	F	G	G	F	F	F	F	F	
Cromic sulphuric acid	E	E	G	F	F	F	F	F	F	F	F	F	F	F	F	F	G	G	F	F	G	G	F	
Copper sulphate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	E	E	E	E	G	
Cresol	E	E	F	F	G	G	G	F	F	F	F	F	F			F	F					F	F	F
Cumene(isopropylbenzene)	E	E	F	F	G	F	E	G	G	F	F	F	E	F			F	F	F	F	F	F	F	
Cyclohexane	E	E	F	F	G	F	G	F	G	F	F	F	E	E	E	E					F	F	F	
Cyclohexenone	E	E	G	G	G	F	G	F	F	F	F	F		E							F	F	F	
Cyclopentane	E	E	G	F	G	F	G	F	F	F	F	F									F	F	F	
Decane	E	E	G		G		G	F			G		E										F	
1-Decanol	E	E	E	E	E	E	E	E	E	E	G	E	G			G				G		G	G	
Di-ethylene glycol	E	E	E	E	E	E	E	E	E	E	G	G	E	G			E	E	F	F	G	F	E	
Dibenzyl ether	E	E	G		E		E							E				F	F	F	F	F	F	F
Dibromoethane	E	E																						
Diethylphthalate	E	E	E	G	E	G	G	F	G	F	F	F	E	E			F	F	F	F	F	F	F	
Di-chloroacetic acid	E	E	E	E	G	F	G	G	G	F	G	F				F	F				G	F	F	
Dichlorobenzene	E	E	F	F	G	F	G	F	G	F	F	F	F	F	E		F	F	F	F	F	F	F	
Dichloroethane	E	E	G	F	G	F	G	F	G	F				F	F	G					F		F	
Dichloromethane (Methylene chloride)	E	E	G	F	G	F	G	F	G	F	F	F	F			G	F				F	F	F	
Diesel oil	E	E	G	F	E	G	E	G	G	F	F	F	E	E	E	E	F	F	G	F	F	F	F	
Diethanolamine	E	E			G		G							F	F			F	F	F	F	F	F	F
Diethyl ether	E	E	F	F	G	F	G	F	F	F	F	F	E	E	E	E	F	F	F	F	F	F	F	
Diethylamine	E	E	G	G	G	F	G	F	F	F	F	F								G	G	G	G	
1,2 Diethylbenzene	E	E	F	F	F	F	G	F	F	F	G	F								F	F	F	F	
Dimethyl sulfoxide(DMSO)	E	E	E	E	E	E	E	E	E	E	F	F					F	F	F	F	F	F	F	
Dimethylaniline	E	E									F	F					F	F	F	F	F	F	F	
Dimethylformamide(DMF)	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E	E	F	F	F	F	F	F	G	
1,4-Dioxane	E	E	G	G	E	G	E	E	E	E	G	G	G	G	E		F	F	F	F	F	F	F	
Diphenyl ether	E	E									G	G			F	F	F	F	F	F	F	F	F	
1,2 Ethanediol (ethylene glycol, glycol)	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	E	E	E	E	F	
Ethanol (ethyl alcohol)	E	E	E	G	E	E	E	E	E	E	E	E	G	E	E	E	G	F	F	F	G	F	G	
Ethanolamine	E	E			E																		F	
Ethyl acetate (acetic acid ethyl ester)	E	E	G	F	E	G	E	E	E	E	F	F			E						F	F	F	
Ethyl methyl Ketone(MEK)	E	E	F	F	E	G	G	F	G	F	F	F	F	F	E		F	F			F	F	F	
Ethylbenzene	E	E	F	F	F	F	F	F	F	F	F	F	F	F			F	F	F	F	F	F	F	
Ethylene Oxide	E	E	G	F	G	F	G	G	G	G	G	F	E	E	G		F	F	F	F	F	F	F	
Fluroacetic acid	E										F	F	F	F			F	F	F	F	F	F	F	
Formaldehyde, 40%	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	E	E	F	F	F	G	
Formamide	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E					E	
Formic acid, 98-100%	E	E	E	G	E	E	E	E	E	E	E	E	E	E	G	F	F	F	F	G	G	F	E	
Gasoline	E	E	G	G	G	G	E	E	G	F	G	F	E	E	E	F	F	E	E	F	F	F	F	
Glycerine	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	E	E	E	E	E	E	G	
Glycolic acid, 70%	E	E	E	E	E	E	E	E	E	E	E	E				F	F							E
Heating oil (Diesel oil)	E	E	G	F	E	G	E	G	G	F	F	F	E	E	E	E	F	F	G	F	F	F	F	
Heptane	E	E	G	G	G	G	G	G	G	F	F	F	E	G					G	F	F	F	F	
Hexane	E	E	G	F	E	G	E	G	G	F	F	F	E	E	E	E	E	E	G	G	F	F	F	
Hexonic acid	E	E																		E				
Hexanol	E	E	E	E	E	E	E	E	E	E									E				G	
Hydrochloric acid, 10%	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	G	F	G	E	E	E	G	
Hydrochloric acid, 20%	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	G	F	G	F	E	E	G	
Hydrochloric acid, 37%	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	G	F	G	F	G	G	G	

MEDIUM	PTFE	PMP[TPX]		PP		HDPE		LDPE		PC		POM		PA		SAN		PMMA		PS		NR	
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C
Hydrofluoric acid, 40%	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	E	G	F	F	E	E	F	
Hydrofluoric acid, 70%	E	G	E	G	E	G	E	G	E	F	F	F	F	F	F	F	F	F	F	F	F	F	
Hydrogen bromide	E	E	E	E	E	E	E	E	E	E	E	F	F	F	F					G	F	G	
Hydrogen peroxide, 35%	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E	E	F	F	E	E	F	F	
Hydroiodic acid	E	E	E	E	E	E	E	E	E	E	E												
Isoamyl alcohol [3-methyl-1-butanol]	E	E	E	E	E	E	E	E	E	E	E	E	E	E								G	
Isobutanol (isobutyl alcohol)	E	E	E	E	E	E	E	E	E	E	E	E	E	E		G	F	G	F	G	G	E	
Isooctane	E	E								G			E		G	F			G	F	F		
Isopropanol (2-propanol)	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	G	F	G	G	
Isopropyl ether	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Lactic acid (2-hydroxypropionic acid)	E	E	E	E	E	E	E	E	E	E	E	E	F	G	F	E	E	G	F	E	E	G	
Lugol's solution (Iodine/potassium iodine solution)	E	E	E	G	E	E	F	F	F	F	G	F	G	G		G	F	F	F	G	F	E	
Mercury	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Mercury chloride	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	
Methanol	E	E	E	E	E	E	E	E	E	E	G	E	G	E	E	G	G	F	F	E	E	G	
Methoxybenzene	E	E									F	F	G				F	F	F	F	F	F	F
Methyl butyl ether	E	E	E	G	E	E	G	F	F	F	F	F	G			F	F	F	F	F	F	F	
Methyl ethyl ketone(MEK)	E	E	F	F	E	G	G	F	G	F	F	F	F	F	F	F	F	F	F	F	F	F	
Methyl formate (formic acid methyl ester)	E	E								F	F	E				F	F	F	F	F	F	F	
Methyl propyl ketone	E	E	G	G	E	G	E	E	E	G	F	F	E	E		F	F	F	F	F	F	F	
Methylene chloride (dichloromethane)	E	E	F	F	G	F	G	F	G	F	F	F	F	F	G	F	F	F	F	F	F	F	
Mineral oil	E	E	E	E	E	E	E	E	E	G	F	F	E	E		E	E	E	E	E	E	F	
Monochloroacetic acid	E	E	E	G	E	G	E	E	E	E	G	F	F	F	F	F	F	F	F	G	F	F	
Nitric acid, 10%	E	E	E	E	E	E	E	E	E	E	E	G	F	F	F	E	G	E	G	F	F	F	
Nitric acid, 30%	E	E	G	F	G	F	G	F	G	G	E	G	F	F	F	F	G	F	G	G	F	F	
Nitric acid, 70%	E	E	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Nitrobenzene	E	E	F	F	F	F	G	F	F	F	F	F	G	F	F	F	F	F	F	F	F	F	
Oleic acid	E	E											G			F	F	F	F	F	F	F	
Oxalic acid	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E	E	G	
Ozone	E	E	E	E	G	F	G	F	G	F	F	F	F	F	F	F	G	G	E	G	G	F	
n-Pentane	E	E											G									F	
Peracetic acid	E	E								F	F	F	F										
Perchloric acid	E	E	G	F	E	F	E	F	E	F	F	F	F	F	F	F	F	F	F	F	F	F	
Perchloroethylene	E	E	F	F	F	F	F	F	F	F	F	F	F	E	G	F	F	G	G	G	F	F	
Petroleum	E	E	G	G	G	F	G	F	G	F	G	G	E	E	E			E	F	F	F	F	
Petroleum ether	E	E					G				E	E	E			E		E	F	F	F	F	
Phenol	E	E	G	G	E	E	E	E	E	G	F	F	F	F	F	F	F	F	F	F	F	F	
Phenyl ethanol	E	E		G		G							G										
Phenylhydrazine	E	E		G		G																G	
Phosphoric acid, 85%	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F	E	E	F	F	E	G	
Piperadine	E	E		E	E	E																F	
Potassium chloride	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	E	E	G	G	E	
Potassium Dichromate	E	E													F	F						G	
Potassium hydroxide	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E	G	G	E	E	G	G	G	
Potassium permanganate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	F	E	G	E	E	
Propanol	E	E	E	E	E	E	E	E	E	E	E	E	G	E	E	E	E	E	E	G	G	E	
Propionic acid	E	E	E	G	E	G	E	G	G	F	F	F	F	F	F	G	G		G	F	F	F	
Propylene glycol (propanediol)	E	E	E	E	E	E	E	E	E	E	E	E	G	E	E	F	F	F	F	G	G	E	
Pyridine	E	E	E	G	G	G	E	G	E	G	F	F	E	G	E	F	F	F	F	F	F	F	
Salicylaldehyde	E	E	E	E	E	E	E	E	E	E	E	E	G	G		F	F		F	F	F	F	
Salicylic acid	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E	F	E	E	E	E	E	E	
Silver acetate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	G	G	G	G	E	
Silver nitrate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	E	E	E	E	G	
Sodium acetate	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	E	E	F	F	E	
Sodium Chloride	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Sodium dichromate	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E	G	E	G	E	
Sodium fluoride	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	
Sodium hydroxide	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E	G	E	E	E	E	E	G	

Medium	PTFE		PMP[TPX]		PP		HDPE		LDPE		PC		POM		PA		SAN		PMMA		PS		NR	
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C
Sulphuric acid, 60%	E	E	E	E	E	E	E	E	E	E	G	G	F	F	F	F	E	G	F	F	F	F	F	
Sulphuric acid, 98%	E	E	E	E	F	F	G	F	G	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
Tartaric acid	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	G	E	E	G	G	E	E	E	
Tetrachloroethylene	E	E														F	F							F
Tetrahydrofuran[THF]	E	E	G	F	F	F	G	F	G	F	F	F	G	G	E		F	F	F	F	F	F	F	
Tetramethylammonium hydroxide	E	E									F	F	F	F										
Toluene	E	E	G	F	G	F	G	G	G	F	F	F	E	E	E		F	F	F	F	F	F	F	
Tri-ethylene glycol	E	E	E	E	E	E	E	E	E	E	G	E	G			E	E	G	G	E	E	G		
Tri-propylene glycol	E	E	E	E	E	E	E	E	E	E	G	E	G			E	E	G	G	E	E	E	E	
Trichloroacetic acid	E	E	E	E	G	F	G	G	G	F	G	F			F	F					G	F	G	
Trichlorobenzene	E	E	G	G	F	F	F	F	F	F	F	F									F	F		
Trichloroethane	E	E	F	F	F	F	G	F	F	F	F	F	G	F	G		F	F	F	F	F	F	F	
Trichloroethylene	E	E	F	F	F	F	G	F	F	F	F	F	F	F	G		F	F	F	F	F	F	F	
Trichlorotrifluoroethane	E	E													G		F	F			F	F		
Triethanolamine	E	E															F	F			F	F	G	
Trifluoroacetic acid (TFA)	E	G											F	F			F	F			F	F		
Trifluoroethane	E	E															F	F			F	F	F	
Turpentine	E	E	G	G	F	F	G	F	G	F	F	F	E	E	E		G	G	E	E	F	F	F	
Urea	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E		E	E	E	E	E	E	E	
Xylene	E	E	G	F	F	F	G	F	G	F	F	F	E	E	E		F	F	F	F	F	F	F	
Zinc Chloride, 10%	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	F	F	E	E	F	E	
Zinc Sulphate, 10%	E	E	E	E	E	E	E	E	E	E	E	E	E	E	G	F	F	F	E	E	G	G	E	

E = Continuous exposure to media and solvents causes no harm to the product.

G = Continuous exposure for 7 –30 days to media and solvents causes minor damage to the product.
(e.g. swelling, softening, mechanical strength, discolouration).

F= Not Suitable for continuous exposure to media and solvents. May damage the product.
(e.g. deformation, cracking, liquification).

The above Chemical resistance chart is meant to be used as a guide only. As temperature, exposure time and functional conditions affect resistance and can vary for each application, Abdos highly recommends users to evaluate products under their own conditions prior to use. Abdos does not warrant (neither expressed or implied) that the information in this chart is accurate or that any material is suitable for any purpose.



WHAT IS GAMMA RADIATION?

Gamma rays are a form of electromagnetic radiation-like x-rays, but with higher energy. The primary industrial sources of gamma rays are radionuclide elements such as Cobalt 60, which emit gamma rays during radioactive decay. Gamma rays pass readily through plastics and kill bacteria by breaking the covalent bonds of bacterial DNA.

They are measured in units called kiloGrays (kGy).

Gamma irradiation provides a number of benefits in cost and sterility assurance. It can be applied under safe, well-defined, and controlled operating parameters, and is not a heat or moisture generating process. Consequently, there is no heat stress and condensate drainage or outgassing is not required. Most importantly, there is no residual radioactivity after irradiation.

DOSE VALIDATION

Gamma Radiation dose is validated according to IS. EN. ISO 11137-2

Method 1 to confirm the SAL 10^{-6}

For that routine testing of bioburden & Sterility test carried out at our manufacturing facility.

VALIDITY OF STERILITY

We assure all sterile products have been sterile through Co-60 gamma radiation with valid certified dose and has been PASSED for all sterility tests. We confirm that the Sterile product would be Sterile until unless the packing pouch is not tampered/punctured/open or 3 yrs from date of Radiation.

SUITABILITY OF ABDOS PLASTICS FOR FOODSTUFF

The phthalates for which opinions have been given by EFSA (European Food Safety Authority and TDI's (Tolerable Daily Intake) established for use in plastics for containers in food application, are not intentionally added in the manufacture of or the formulation of this product. The phthalates are di-isomylo phthalate (DINP), Di-(2-ethylhexyl) phthalate (DEHP), di-n-butyl phthalate (DBP), di-iso-decyl phthalate (DIDP), butylbenzyl phthalate (BBP). In addition, di-iso-butyl phthalate (DIBP) has recently been classified by TC C&L of ECB (Commission Working Group on Classification & Labeling – European Chemicals Bureau) in accordance with the requirements of Directive 67/548/EC (Classification and labeling of dangerous substance), taking into account a NOAEL, the toxicity of DIBP is more than 100 times lower than DNBP's (product assessed by EFSA for use in plastics in contact with food). Phthalates are not used in the manufacture of or the formulation of any Abdos manufactured products.

Abdos manufactured products have passed the USP tests for a Class VI, physio-chemical testing and meets USP limits.

Abdos manufactured products are made from the base resin which meets the FDA requirements contained in the Code of Federal Regulation in 21 CFR 177.1520 (a)(3)(i) and (c)3. 1a. 3. 2a. All other ingredients meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). All Abdos manufactured products meet the FDA criteria in 21 CFR 177.1520 for food contact applications, including cooking.

AUTOCLAVE GUIDE LINE

To ensure successful steam sterilization of your plastic labware please adhere to the following guideline: Autoclave all plastic consumables at 121°C for 20 minutes, 15psi/1 atm. Do not use a dry cycle as this may cause deformation or weakening of the plastic. Allow temperature within the autoclave to return to at least 80°C before removing product.

Autoclaving (steam sterilisation) is defined as the destruction or irreversible inactivation of all reproducible microorganisms under exposure to "saturated steam at a minimum of 120 °C." (DIN 58946-1, 1987). DIN EN 285 specifies a minimum exposure time (te) of 20 minutes (killing time and safety margin) at a sterilisation temperature of 121 °C. For the correct sterilisation procedure, including biological safety (DIN EN285), please contact your hygiene specialist.

Prior to autoclaving plastic labware, ensure that no soiling or residual contamination remains on the equipment. Otherwise, the residual contamination will bake on solidly during the autoclaving process.

Even substances that have no effect on the plastic at room temperature can still lead to destruction of the plastic during the autoclaving process. Additionally, microorganisms might not be killed effectively if they are protected by the residual contamination.

NOTES ON AUTOCLAVING

- Containers with screw tops or stoppers must be open during autoclaving to allow for pressure equalisation.
- Autoclaving of a closed container will lead to the deformation or destruction of the container.
- Plastic labware should be stood upright on a level surface during autoclaving to avoid shape deformation.
- Plastic labware should not be laid on its side during autoclaving.
- No mechanical stresses should be present during autoclaving.
- For example, do not stack items.
- Do not autoclave any container that contains residual contamination or even rinsing agent.
- Not all plastics are resistant to steam sterilisation! For example, polycarbonate loses its tensile strength.
- Mind the temperature limits for the plastics.
- Autoclavable products are identified with a "121 °C" symbol in this catalogue.

The surfaces of some plastics can be attacked by chemicals present during autoclaving, which can cause persistent clouding. Some transparent plastics can absorb minute quantities of steam, which can lead to reversible clouding. This clouding disappears upon drying, which can be accelerated through the use of a drying oven.

RPM VS. RCF "WHAT'S THE DIFFERENCE?"

RPM – stands for "Revolutions Per Minute" and is the speed that your rotor spins in your centrifuge.

RPM is specific to individual centrifuge brands and rotor sizes.

RCF – stands for "Relative Centrifugal Force" and is better known as g-force. This indicates the actual force resulting from the spinning action in the centrifuge.

It is g-force that drives sample separation.

The following equation can be used to convert RPM to RCF for any model centrifuge.

$$RCF = 0.00001118 \times \text{radius of rotation (cm)} \times RPM^2$$

Note: radius of rotation is given by the distance of the furthest most point of the tube from the axis of rotation. Please refer to your centrifuge user guide for radius value.

NON-PYROGENIC CERTIFICATE OF ANALYSIS

Every lot of Abdos Micro Tips, Micro Centrifuge Tubes, Centrifuge Tubes, Cryo Vials, Petri Dish, Radioimmunoassay (Ria) Vials, Pasteur Pipette & other products are tested for Pyrogenic.

This report certifies that samples of the above products obtained from finished products are Non-Pyrogenic. Endotoxin levels are ≤ 0.005 EU/device. Products were tested for Endotoxins as per USP by Chromogenic Assay Method.

PROCEDURE:

Lot samples of the products were extracted according to current FDA guidelines in Pyrogen free water and the extract solution was then assayed along with the positive and negative controls.

- A. PI1007 Lot no. A261118B
- B. P60116 Lot no. A251019A
- C. PI0202 Lot no. M10919C07
- D. PI0163 Lot no. A281119A
- E. PI0401 Lot no. A110919A
- F. PI0301 Lot no. M140919C06
- G. PI0901 Lot no. M230919B12

RESULTS:

Endotoxin levels ≤ 0.005 EU/ml

COMMENTS:

Current FDA/USP guidelines set endotoxin limits for medical devices at 0.5 EU/ml, and 0.06 EU/ml for devices that contact cerebral spinal fluid. We test products according to the guidelines for medical devices that contact cerebral spinal fluid.

RNASE FREE CERTIFICATE OF ANALYSIS

Every lot of Abdos Micro Tips, Micro Centrifuge Tubes, Centrifuge Tubes, Cryo Vials, Petri Dish, Radioimmunoassay (Ria) Vials, Pasteur Pipette & other products are tested for RNase.

This report certifies that samples of the above products obtained from finished products are free of any detectable RNase contamination. Products were tested for RNase activity by the following protocol.

PROCEDURE:

Products were extracted in RNase free water. The extract was then added to an RNA standard. The RNA standard was incubated at 37°C for 1 hour then heated to 65°C for 5 minutes. RNA samples were then run on an agarose gel, photographed, and evaluated for degradation.

Lane (A) PI0105 Lot No-1503001.(B) P60102 Lot No-1503007.(C) RNA standard exposed to RNase as a positive control (D) unexposed RNA standard as a negative control.

CONCLUSIONS:

No visible degradation is present in the product samples confirming that the products can be considered RNase free.



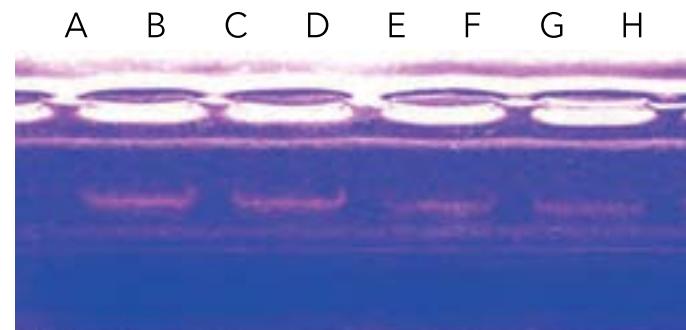
DNASE FREE CERTIFICATE OF ANALYSIS

Every lot of Abdos Micro Tips, Micro Centrifuge Tubes, Centrifuge Tubes, Cryo Vials, Petri Dish, Radioimmunoassay (Ria) Vials, Pasteur Pipette & other products are tested for DNase.

This report certifies that samples of the above products obtained from the finished products are free of any detectable DNase contamination. Products were tested for DNase activity by the following protocol.

PROCEDURE:

Products were extracted in DNase free water. The extract was then added to a DNA standard. The DNA standard was incubated at 37°C for 1 hour then heated to 65°C for 5 minutes. DNA samples were then run on an agarose gel, photographed, and evaluated for degradation.



Lane (A) unexposed DNA standard as a negative control (B) DNA standard exposed to DNase as a positive control (C) PI0105 Lot No-1503001, (D) P60102 Lot No-1503007, (E) PI0202 Lot No-1503036, (F) PI0401 Lot No-1503009, (G) PI0403 Lot No-1503010, (H) P60103 Lot No-1502010.

CONCLUSIONS:

No visible degradation is present in the product samples confirming the products can be considered DNase free.

ATP FREE CERTIFICATE OF ANALYSIS

Every Lot of Abdos Micro Tips, Micro Centrifuge Tubes, Centrifuge Tubes, Cryo Vials, & Other Products are tested for ATP Free.

- A. PI1007 Lot no. A261118B
- B. P60116 Lot no. A251019A
- C. PI0202 Lot no. M10919C07
- D. PI0163 Lot no. A281119A
- E. PI0401 Lot no. A110919A

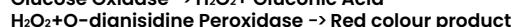
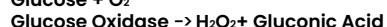
PROCEDURE:

Procedure is to provide guidelines for ATP FREE Test (by Glucose Oxidase/ATP Method). Glucose is a widely distributed simple sugar with an active aldehyde group. Estimation of glucose by glucose oxidase gives the true glucose concentrations eliminating the interference by other reducing sugars.

PRINCIPLE:

Glucose oxidase catalyses the oxidation of alpha-D-glucose to D-glucono-1, 5 lactone (gluconicacid) with the formation of hydrogen peroxide. The oxygen liberated from hydrogen peroxide by peroxide reacts with the O-dianisidine & oxidizes it to a red chromophore product. Read the colour intensity at 540 through UV Spectrophotometer or at 450 through ELISA.

Glucose + O₂



CONCLUSIONS:

The tested products are free from ATP detectable contamination (<1.0fg).

HUMAN DNA FREE CERTIFICATE OF ANALYSIS

Every Lot of Abdos Micro Tips, Micro Centrifuge Tubes, Centrifuge Tubes, Cryo Vials, & Other Products are tested for ATP Free.

- A. PI1007 Lot no. A261118B
- B. P60116 Lot no. A251019A
- C. PI0202 Lot no. M10919C07
- D. PI0163 Lot no. A281119A
- E. PI0401 Lot no. A110919A

PROCEDURE:

Nucleic Acid (DNA) extraction and measurement were done by the procedures of Zachleder (50) as applied by Danovaro et al (9) and Danovaro(10), with a few modifications to enhance DNA extraction from the sediment. Briefly, 1g of sediment (three replicates) was treated with 3.0 ml of 0.5N Perchloric acid, stirred for 3min & sonicated three times for 1min (with intervals of 30 sec). Nucleic acid extraction was carried out 75 °C for 30min under continuous stirring on water bath. After centrifugation (3000 rpm, 10min), the absorbance of the Total Nucleic Acid (TNA) in the supernatant was measured at 260 nm. For RNA take absorbance on 230 nm & for protein on 280 nm.

CONCLUSIONS:

The tested products are free from Human DNA detectable contamination (<0.5 pg/microliter).

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E11113	76	E11184D	72	E11305	170	E11362	161	E11821	179	E12170	106
E11114	77	E11185D	72	E11307	154	E11363	161	E11823	179	E12171	106
E11116	77	E11186D	72	E11308	154	E11364	161	E11824	179	E12172	106
E11117	77	E11187D	72	E11309	154	E11365	161	E11825	179	E12173	106
E11118	77	E11190	167	E11310	165	E11366	161	E11826	179	E12174	106
E11119	76	E11191	167	E11311	165	E11367	161	E11830	179	E12175	106
E11120	77	E11192	167	E11312	165	E11368	161	E11895	177	E12177	106
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E11154	40	E11232	155	E11331	161	E11490	175	E11942	178	E12190	107
E11155	40	E11233	157	E11332	161	E11495	172	E11943	178	E12191	107
E11156	40	E11235	159	E11333	161	E11501	30	E11944	178	E12193	107
E11157	40	E11236	159	E11334	161	E11502	30	E11948	178	E12193	107
E11158	40	E11260	176	E11335	161	E11503	30	E11949	178	E12194	107
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