

TECHNICAL DATA SHEET

Doc No – Ab/TDS/LH- 69
Rev No: 06 Date- 05/2024-25

Abdos Labtech Pvt. Ltd. Supreme Duet Bottle Top Dispenser

Valid for Catalog No. E11731, E11732, E11733, E11734, E11735, E11736
SRN (Single Registration Number): IN-MF-000022272

1. Description/Specification

1.1 Description: Supreme Duet Bottle Top Dispenser

1.1.1 Supreme Duet Bottle Top Dispenser is the most advanced next generation highly robust & reliable bottle top dispenser designed through years of research.

1.1.2 Supreme Duet Bottle Top Dispenser has a recirculation valve for redirecting the liquid into the bottle & rinsing the instrument without dismounting from the bottle.

1.1.3 Fully autoclavable.

1.1.4 Supreme Duet Bottle Top Dispenser with a worldwide patent can be used in 4 modes: dilution, rinsing, dual liquid handling and re-circulation all in a single unit.

1.1.5 Supreme Duet Bottle Top Dispenser has a smooth and soft plunger for easy working in difficult laboratory conditions.

1.2 Design: Light weight & simple to use operation.

1.3 Performance Specifications:

Specifications	
Piston	PTFE & ETP
Cylinder	Borosilicate Glass
Volume Adjustment Knob	PP 180° Rotation
Valve Housing	PFA

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Re-Circulation Valve Housing	PFA
Value Assembly	Borosilicate Glass Ball & Seat
Discharge assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually Calibrated & Certified
Accuracy & Reproducibility	According to ISO 8655 standards
Compatibility	Excellent with all reagents except HF

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

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1.4 Material: PP (polypropylene)

1.5 Color: White & Blue

1.6 Basic Features

1.6.1 Made up of highly Virgin thermoplastic polypropylene.

1.6.2 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.

1.6.3 Adapters-The instrument comes with five adapters that comfortably fit most laboratory reagent bottles. The available sizes are – GL-28 mm, 32 mm, 36 mm, 40 mm and 45 mm.

1.6.4 Chemical resistance: see website (www.abdoslifesciences.com)

1.6.5 CE certified

1.6.6 Intended use: Widely used in scientific studies of molecular biology, clinical chemistry, biochemistry and any type of scientific laboratory.

1.7. Supreme Plus Bottle Top Dispenser

Code	Capacity(ml)	No. Per Case
E11731	0.25-2.5	1
E11732	0.5-5	1
E11733	1-10	1
E11734	2.5-30	1
E11735	5-60	1
E11736	10-100	1

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1.8 Quality control: Product are manufactured, inspected and found to be in compliance with product & quality specification requirements as documented in ISO 9001:2015 & 13485:2016 Quality Management System. Testing of various characteristics in accordance with the valid specification, inspection reviewed & signed for product release.

1.9 Modes of Operation

- **Standard Dispensing:** Knob A – Open, Knob B – Closed
In this mode, the dispenser dispenses the liquid normally into the receiver from the bottle it is mounted on.
- **Purging:** Knob A – Closed, Knob B – Closed
In this mode, the liquid is re-circulated into the same bottle on which the dispenser is mounted. This process removes the air from the dispenser, without wasting any reagent.
- **Dilution/Rinsing/Second Liquid Dispensing:** Knob A – Open, Knob B – Open
In this mode, the liquid from a second source can be dispensed into the receiver. The second liquid can be distilled water, thus allowing the user to rinse the instrument without dismounting it or dilute the reagent within the receiver.
- **Bottle Refilling:** Knob A – Closed, Knob B – Open
In this mode, the liquid from a second source can be used to refill the bottle without dismounting the dispenser.

Warranty: 12 months from the date of Installation or 15 months from the date of Invoicing

Instruction for Use

Product can be used for food contact also.
Storage temp. Max 30°C
Before using the product check crackness, pouch punctured etc.
Check all the information printed on pouches or boxes.
Always wear gloves while handling specimen.

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WARNING

DO NOT store strong oxidizing agents.
DO NOT place any plastic labware in a flame.
DO NOT mix any chemicals that may result in a thermic reaction, which can cause product failure
Consult local fire codes prior to storage of flammable liquids.



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