

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/ GLP-160  
Rev No: 04 Date- 05/2024-25

**Abdos Labtech Pvt. Ltd.**  
**Volumetric Flask – TPX Class A**

Valid for Catalog No. P50201, P50202, P50203, P50204, P50205, P50206

**SRN (Single Registration Number):** IN-MF-000022272

## 1. Description/Specification

### 1.1 Description: TPX Volumetric Flask

- 1.1.1 These Flasks are made from Glass like TPX offering excellent clarity.
- 1.1.2 These Volumetric Flask Come with polypropylene stopper.
- 1.1.3 Meet accuracy requirements of class A under “ISO 1042”.
- 1.1.4 Supplied with conformity test certificate that indicates batch number & year of Production.
- 1.1.4 These flasks are recommended to be washed at max 60°C.

### 1.2 Design: Volumetric Flask

### 1.3. Performance Specifications:

Code	Capacity (ml)	Error limit (+ ml)	Bulb Dia (mm)	Height with Stopper (mm)	Neck Size	No./Case
P50201	25	0.04	40	115	10/19	1
P50202	50	0.06	50	150	12/21	1
P50203	100	0.10	60	180	14/23	1
P50204	250	0.15	80	235	19/26	1
P50205	500	0.25	100	270	19/26	1
P50206	1000	0.40	125	310	24/29	1

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### **1.4 Material:**

1.4.1 TPX- Polymethylpentene (PMP), confirm US FDA 21CFR

1.4.2 The product complies with USP class VI. Free from Heavy metals, it is safe to use in contact with food stuff, Pharmaceuticals & drinking water.

1.4.3 Product is manufactured without the use of Raw Materials of animal origin. Therefore BSE/TSE issue does not concern this product to the best of our knowledge. No materials containing latex or natural rubber are used in the Manufacturing, handling & packaging process for this product.

**1.5 Color:** Translucent (Natural), Stopper – Red Colour

**1.6 Graduations:** Meet accuracy requirements of class A under “ISO 1042.”

**1.7 Sterilization:** NA

**1.8 Quality control:** Products 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 amendments.

**1.9 Other Information:** Reusable can be autoclaved up to 10 autoclave cycle.

### **2. Basic Features**

**2.1 Made up of** Polymethylpentene (TPX)

**2.1 Temperature range:** -80<sup>0</sup>C to +175<sup>0</sup>C

**2.3 Autoclavability:** Yes, Autoclavable at 15 psi and 121<sup>0</sup>C for 20 minutes

**2.4 Chemical resistance:** See website ([www.abdoslifesciences.com](http://www.abdoslifesciences.com))

**2.5** Manufactured in Aseptic Environment

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

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## Autoclaving Guideline for Plastics

All plastic consumables are autoclavable at 121<sup>0</sup>C for 20 minutes, 15 psi/1atm. 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 50<sup>0</sup>C before removing product.

## Instruction for Use

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

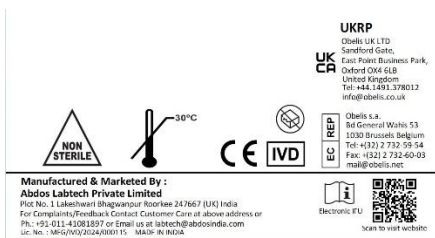
## WARNING

**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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Quality Manager

Abdos Labtech Private Limited

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