

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/CT-12  
Rev No: 00 Date- 05/2024-25

## Abdos Labtech Pvt. Ltd. Large Capacity Centrifuge Tubes, PP/HDPE

**Valid For Cat. No. P10499, P10500**

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

### 1. Description/Specification

**1.1 Description:** Disposable PP/HDPE centrifuge tube, DNase, RNase, Human DNA, ATP & Pyrogen Free, CE & IVD certified

#### 1.2 Design:

1.2.1 Tube: Cylindrical Upper and conical Bottom

1.2.2 Tube Cap: Separate Threaded HDPE Cap

#### 1.3 Performance Specifications:

Code	Capacity (ml)	Height (mm)	Sterile	Colour	No./Case
<b>P10499</b>	250	161	YES	Orange	100
<b>P10500</b>	500	146.8	YES	Orange	40

#### 1.4 Material:

1.4.1 Tube - Polypropylene (PP) & Cap- High Density Polyethylene (HDPE) 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.

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### 1.5 Color:

**Tube color-** Translucent (Natural)      **Cap color-** Orange

### 1.6 Graduation and writing surface:

1.6.1 Large Engraved Graduation

1.6.2 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.

### 1.7 Sterilization:

**Sterile catalog number** from this lot have been pre-sterilized and dosimetrically released based on ANSI/AAMI/ISO 11137 *Sterilization of healthcare products-Requirements for validation and routine control- Radiation sterilization*. The product has been sterilized with Co-60 Gamma Radiation. SAL  $10^{-6}$

### 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.

### 1.9 Other information

Recommended for single use only

## 2. Basic Features

**2.1 Temperature range:** Tube:-80<sup>0</sup>C to +121<sup>0</sup>C

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

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**2.3 Centrifugation:** 6000 RCF (Rated with Double Distilled water at 10°C for 30 minutes)

**2.4 Leak Test at 635 mm Hg:** No leakage

**2.5** Manufactured in Clean room ISO Class 8 (100,000)

**2.6 Chemical resistance:** see website ([www.abdoslifesciences.com](http://www.abdoslifesciences.com))

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

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

### Autoclaving Guideline for Plastics

All plastic consumables are autoclavable at 121°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°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, pouch punctured etc.

Check all the information printed on pouches or boxes.

Always wear gloves while handling specimen.

Ensure all sample tubes are evenly filled

For each tube inserted in the rotor, add a tube of equal weight directly opposite it.

### 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

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Wear a face shield and / or safety goggles if you have to work anywhere near a centrifuge that's in use.

**Do not bump, jar, or move the centrifuge while the rotor is spinning.** Make sure you don't have the cord dangling from a table edge where someone could catch their foot in it and pull down the centrifuge

Consult local fire codes prior to storage of flammable liquids.

**UKRP**  
Obelis UK LTD  
Sandford Gate,  
East Point Business Park,  
Oxford OX4 6LB  
Email: info@obelis.com  
Tel: +44.1891.378012  
info@obelis.co.uk

**UK  
CA**  
Obelis s.a.  
Bd General Wahis 53  
1030 Brussels Belgium  
Tel: +(32) 2 732-59-54  
Fax: +(32) 2 732-60-03  
mail@obelis.net

**STERILE R**



Electronic IFU

**Abdos Labtech Pvt. Ltd.**  
Plot No. 1 Lakeshvari Bhagwanpur Roorkee 247667 (UK) India  
Email : labtech@abdosindia.com, www.abdoslifesciences.com  
Ph: +(91) 11 41081897

Quality Manager  
Abdos Labtech Private Limited  
Employee Code 30110

