

# Technical Data Sheet

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Rev No : 01

## TECHNICAL DATA SHEET

**Abdos Labtech Pvt. Ltd.**

**Plastic Test Tube & Cap**

**Valid for Cat. No. Tube- P10308, P10309, P10310, P10311**

**Cap- P10312, P10313**

### 1. Description/Specification

**1.1 Description:** Plastic Test Tube & Cap are DNase, RNase and Pyrogen Free

#### 1.2 Design:

1.2.1 Vial: Cylindrical with Round Bottom

1.2.3 Cap: separate Cap

#### 1.3 Performance Specifications:

##### 1.3.1 Plastic Test Tube

Code	Ø x h (mm)	Material	Capacity (ml)	No. Per Case
P10308	13x100	PP	8	500
P10309	13x100	PS	8	500
P10310	16x100	PP	10	500
P10311	16x100	PS	10	500

##### 1.3.2 Plastic Test Tube Cap

Code	Ø x h (mm)	Material	No. Per Case
P10312	13	HDPE	1000
P10313	16	HDPE	1000

#### 1.4 Material:

1.4.1 Vial made up of Hydrophobic Polypropylene and Polystyrene, Cap made up HDPE

1.4.2 Complies with requirement of Directive 2002/72/EC and requirement of FDA Regulation 21 CFR 177.1520. olefins polymers.



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1.4.3 Complies with the requirement of Indian Standard IS: 10910 on “Specification for Polypropylene and its copolymer for its safe use in contact with food stuffs, Pharmaceutical and Drinking water”

1.4.4 Free from heavy metals according to ELV directive 2000/53/EC and its following amendments.

1.4.5 PS- Material is stable and inert in normal handling & storage conditions.

## 1.5 Color:

PP – Translucent, and PS- Glass Clear Transparent

## 1.6 Quality control:

DNase, RNase, and Pyrogen Free

Testing of various characteristics in accordance with the valid Specification

## 1.7 Basic Features

**1.7.1 Temperature range:** Tube:  $-80^{\circ}\text{C}$  to  $+121^{\circ}\text{C}$  for **PP**

Tube:  $10^{\circ}\text{C}$  +  $90^{\circ}\text{C}$  for **PP**

**1.7.2 Autoclavability:** Only **PP** is Autoclavable at 15 psi and  $121^{\circ}\text{C}$  for 20 minutes


**1.7.3 Centrifugation:** **PP**-3,000 RCF, **PS** – 1400 RCF (With Distilled water at  $25^{\circ}\text{C}$ )

**1.7.3 Leak Test at 350 mm Hg:** No leakage

**1.7.4 Chemical resistance:** See website.

## Autoclaving Guideline for Plastics (Only for PP Plastic test tube)

All plastic consumables are autoclavable at  $121^{\circ}\text{C}$  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  $50^{\circ}\text{C}$  before removing product.

  
Quality Assurance Incharge  
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