

# Technical Data Sheet

Doc No – Ab/TDS/LH-63

Rev No : 04 Date 02/2022-23

## TECHNICAL DATA SHEET

**Abdos Labtech Pvt. Ltd.**

**Filter Pipette Tips, Sterile Racked, PP**

**Valid for Cat. No. P11021, P11023, P11025, P11027, P11029, P11033, P11035, P11037, P11047, P11048, P10172, P10173**

### 1. Description/Specification

#### 1.1 Description:

1.1.1 Pipette Tips Filter, Sterile Racked , DNase, RNase, Human DNA, ATP & Pyrogen Free, CE & IVD certified.

1.1.2 Sterile by Gama Radiation.

#### 1.2 Design:

**Tip:** Open Cylindrical Upper and conical Apex with orifice for liquid dispensing. Precise graduation mark for error free pipetting.

**Box:** Rectangular Box with Transparent Top Cover with slip lock.

Removable Micro tip Tray Suitable to Work in a Robotic System.

Compatible for use with Multichannel Pipettes

Top cover mark A-H in Y-axis for easy discrimination.

#### 1.3 Performance Specifications:

Code	Capacity (µl)	No./Case	Colour
P11021	0.1-10 (Graduated)	10Racksx96pcs	Natural
P11023	0.1-10 Extended (Graduated)	10Racksx96pcs	Natural
P11025	1-20 ( Graduated)	10Racksx96pcs	Natural
P11027	1-50 (Graduated)	10Racksx96pcs	Natural
P11029	1-100 (Graduated)	10Racksx96pcs	Natural
P11033	1-200 (Graduated)	10Racksx96pcs	Natural
P11035	1-300 (Graduated)	10Racksx96pcs	Natural
P11037	100 – 1000ul	10Racksx96pcs	Natural
P11047	100 – 1000ul XL	10Racksx96pcs	Natural
P11048	100 – 1250ul	10Racksx96pcs	Natural
P10172	100 – 5000ul	6Racksx24pcs	Natural



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P10173	500 – 10000ul	6Racksx24pcs	Natural
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1.3.2 Fitting to pipettes: Universal Fit (For detail refer the Abdos compatibility chart)

## 1.4 Material:

1.4.1 Polypropylene (PP), Hydrophobic, confirm US FDA 21CFR

1.4.2 The product has passed the USP testing including class VI tests, Materials has successful passed the biological tests according to ISO 10993 external communication devices for indirect blood contact for Prolonged period.

1.4.4 Free from Heavy metals, RoHS Free according to meets relevant requirements of EU regulations 1935/2004/CE, 2002/95/EC as amended, UE 10/2011 as amended. EU CONEG & it's following amendments. It is safe use in contact with food stuff, Pharmaceuticals & drinking water

1.4.5 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:

**Tip Colour** -Natural

**Wafer Colour** - 10ul Green, 20 to 100ul Yellow, 200 to 300ul Orange, 1000ul Blue, 1000XL & 1250ul Light Blue

## 1.6 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  $10^{-6}$

## 1.7 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.

## 1.8 Other information:

Reusable, only box can be autoclavable up to 10 autoclave cycle. Super filter provides aerosol & aqueous liquid by pass prevention in over pipetting thereby preventing cross contamination. Hydrophobic filter that is additive free & does not absorb samples. 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.

Tips are of single used only.



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## 1.9. Basic Features:

**1.9.1 Made up of :** High Purity Virgin Polypropylene (PP)

**1.9.2 Temperature range :** -80<sup>0</sup>C to + 121<sup>0</sup>C for 20 minutes

**1.9.3 Autoclavability:** Can be autoclave but might loose the fitting of filters.

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

**1.9.5 Retention:** Best in its class. (with Acidic & Basic dyes)

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

**1.9.7** ABDOS Super Filter Tips has a **100% pure, porous polyethylene (PE) filter** that prevents aerosol contamination and carryover generated during sample aspiration. In addition, Filter Pipette Tip does not trap samples and allows for sample recovery in the event of over-pipetting. 99.9% Bacterial Aerosol Filtration Efficiency (BFE), (ASTM F21012) Inert, hydrophobic PE filter does not trap or block the liquid. Free of leachables, extractables and heavy metals. Non Cytotoxic (ISO 10993-5 MRM , Minimal Essential Media Elution, GLP Compliant Non-hemolytic.

### 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<sup>0</sup>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.

### 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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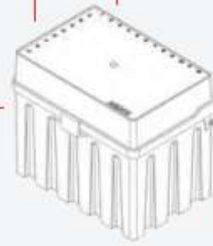
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## Abdos Life Science successfully filed **PATENT** in **Pipette Tip Box Category**

**Anti-Warpage Technology** offers strength & security at liquid handling

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



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

Hinged lid provides fast, safe pipette tip access

Green Manufacturing & Reusable once empty, saves plastics



**Anti-Warpage  
Technology**



**Anti-Shrink  
Technology**



**Robust Design  
& Strength**



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