

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/LH-58  
Rev No: 06 Date- 05/2024-25

**Abdos Labtech Pvt. Ltd.**  
**Filter Pipette Tips, Racked PP**

**Valid for Cat. No. P11020, P11022, P11024, P11026, P11028, P11032, P11034, P11036, P11038, P11039, P11030, P11031**

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

## 1. Description/Specification

**1.1 Description:** Disposable PP Micropipette Racked Tips, DNase, RNase, Human DNA, ATP & Pyrogen Free, CE & IVD certified.

### 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
<b>P11020</b>	0.1-10 (Graduated)	10Racksx96pcs	Natural
<b>P11022</b>	0.1-10 Extended (Graduated)	10Racksx96pcs	Natural
<b>P11024</b>	1-20 ( Graduated)	10Racksx96pcs	Natural
<b>P11026</b>	1-50 (Graduated)	10Racksx96pcs	Natural
<b>P11028</b>	1-100 (Graduated)	10Racksx96pcs	Natural
<b>P11032</b>	1-200 (Graduated)	10Racksx96pcs	Natural

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<b>P11034</b>	1-300 (Graduated)	10Racksx96pcs	Natural
<b>P11036</b>	100-1000ul	10Racksx96pcs	Natural
<b>P11038</b>	100-1000ul XL	10Racksx96pcs	Natural
<b>P11039</b>	100-1250ul	10Racksx96pcs	Natural
<b>P11030</b>	100-5000ul	6Racksx24pcs	Natural
<b>P11031</b>	500-10000ul	6Racksx24pcs	Natural

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 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:

**Tip Colour** -Natural

**Wafer Colour** - 10ul Green, 20 to100ul Yellow, 200 to 300ul Orange,1000ul Blue, 1000XL & 1250ul Light Blue, 5 &10ml Purple

### 1.6 Sterilization: NA

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**1.7 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.

**1.8 Other information:** Reusable, only box can be autoclavable up to 10 autoclave cycle. Super filter provides aerosol & aqueous liquid bypass 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.

### **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

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heavy metals. Non-Cytotoxic (ISO 10993-5 MRM, Minimal Essential Media Elution, GLP Compliant Non-hemolytic.

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

### **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, pouch punctured etc.  
Check all the information printed on pouches or boxes.  
Always wear gloves while handling specimens.

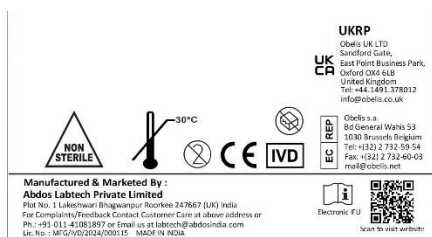
### **WARNING**

**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

Employee Code 30110



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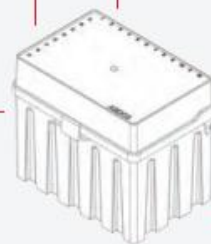
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## Abdos Life Science successfully filed **PATENT** in **Pipette Tip Box** Category

*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**