

Technical Data Sheet

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TECHNICAL DATA SHEET

Abdos Labtech Pvt. Ltd.

Last Drop Low Retention Filter Pipette Tips, Sterile Racked, PP

Valid for Cat. No. P11061, P11063, P11065, P11067, P11069, P11073, P11075, P11077, P11079, P11081

1. Description/Specification

1.1 Description:

1.1.1 Pipette Tips, Sterile Racked Tips, 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)	10 Racks x96pcs	Colour
P11061	0.1-10 (Graduated)	10 Racks x96pcs	Natural
P11063	0.1-10 Extended (Graduated)	10 Racks x96pcs	Natural
P11065	1-20 (Graduated)	10 Racks x96pcs	Natural
P11067	1-50 (Graduated)	10 Racks x96pcs	Natural
P11069	1-100 (Graduated)	10 Racks x96pcs	Natural
P11073	1-200 (Graduated)	10 Racks x96pcs	Natural
P11075	1-300 (Graduated)	10 Racks x96pcs	Natural
P11077	100 – 1000ul	10 Racks x96pcs	Natural
P11079	100 – 1000ul XL	10 Racks x96pcs	Natural
P11081	100 – 1250ul	10 Racks x96pcs	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. The retention level is minimal, diamond polished moulds for an extremely hydrophobic & smooth surface to ensure lowest retention in its class. 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.

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°C to + 121°C for 20 minutes

1.9.3 **Autoclavability:** Yes, Autoclavable at 15 psi and 121 °C for 20 minutes



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1.9.4 Chemical resistance: see website (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 121⁰C 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 50⁰C before removing product.

Instruction for Use

Product can be used for food contact also.

Storage temp. Max 30⁰C

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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Quality Assurance Incharge
Abdos Labtech Pvt. Ltd.



Abdos Life Science successfully filed PATENT in Pipette Tip Box Category

Anti-Warpage Technology offers strength & security at liquid handling

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

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

Hinged lid provides fast, safe pipette tip access

Green Manufacturing & Reusable once empty, saves plastic



Anti-Warpage Technology



Anti-Shrink Technology



Robust Design & Strength



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