

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/CC-97  
Rev No: 04 Date- 01/2024-25

**Abdos Labtech Pvt. Ltd.**  
**Erlenmeyer Flask, PC/PETG, Sterile**

Valid for Cat. No.-

**P21200, P21201, P21202, P21203, P21204, P21205, P21206, P21207, P21212 P21213,  
P21214, P21215, P21216, P21217, P21218, P21219, P21220, P21221, P21222, P21223,  
P21224, P21225, P21226, P21227**

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

## 1. Description/Specification

**1.1 Description: Erlenmeyer Flask, PC/PETG, DNase, RNase, Cytotoxicity & Pyrogen Free, STERILE**

**1.2 Design: Flask (PC & PETG) & Cap -HDPE**

### 1.3 Performance Specifications:

Code	Material	Capacity (ml)	Height without Cap (mm)	Cap Diameter (mm)	Bottom Flask Diameter (mm)	Cap Type	Base Type	No. Per Case
P21200	PC	125ml	115.8	38.2	66	Seal Cap	Flat Base	24
P21201	PC	125ml	114.4	38.2	66	Vent Cap	Flat Base	24
P21202	PC	250ml	140.8	48.1	83	Seal Cap	Flat Base	12
P21203	PC	250ml	140.1	48.1	83	Vent Cap	Flat Base	12
P21204	PC	500ml	178.8	48.1	101	Seal Cap	Flat Base	12
P21205	PC	500ml	177.9	48.1	101	Vent Cap	Flat Base	12
P21206	PC	1000ml	216.8	48.1	127	Seal Cap	Flat Base	12

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P21207	PC	1000ml	215.5	48.1	127	Vent Cap	Flat Base	12
P21212	PC	125ml	114.4	38.2	66	Seal Cap	Baffled Base	24
P21213	PC	125ml	114.4	38.2	66	Vent Cap	Baffled Base	24
P21214	PC	250ml	140.1	48.1	82	Seal Cap	Baffled Base	12
P21215	PC	250ml	140.1	48.1	82	Vent Cap	Baffled Base	12
P21216	PC	500ml	177.9	48.1	101	Seal Cap	Baffled Base	12
P21217	PC	500ml	177.9	48.1	101	Vent Cap	Baffled Base	12
P21218	PC	1000ml	215.5	48.1	127	Seal Cap	Baffled Base	12
P21219	PC	1000ml	215.5	48.1	127	Vent Cap	Baffled Base	12
P21220	PETG	125ml	115.8	38.2	66	Seal Cap	Flat Base	24
P21221	PETG	125ml	115.8	38.2	66	Vent Cap	Flat Base	24
P21222	PETG	250ml	140.8	48.1	83	Seal Cap	Flat Base	12
P21223	PETG	250ml	140.8	48.1	83	Vent Cap	Flat Base	12
P21224	PETG	500ml	178.8	48.1	101	Seal Cap	Flat Base	12
P21225	PETG	500ml	178.8	48.1	101	Vent Cap	Flat Base	12
P21226	PETG	1000ml	216.8	48.1	127	Seal Cap	Flat Base	12
P21227	PETG	1000ml	216.8	48.1	127	Vent Cap	Flat Base	12

## 1.4 Material:

1.4.1 Made up of Polycarbonate (PC), Polyethylene Terephthalate Glycol (PETG) & High-density polyethylene (HDPE).

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## **Abdos Labtech Pvt. Ltd. Erlenmeyer Flask, PC/PETG, Sterile**

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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: Transparent** (Natural color)

**Cap : Blue**

### **1.6 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.

### **1.7 Other information**

**1.7.1** High Visibility raised graduations for easy readings, Individually Wrap

**1.7.2** the bottle cap is made of high-strength HDPE material, equipped with a 0.2µm breathable membrane, which can effectively block microorganisms, prevent pollution, and ensure gas exchange, so that cells or bacteria grow well.

**1.7.3** The scale of the bottle is clear and accurate, which is convenient for observing the medium capacity.

**1.7.4** The baffle E- flask is a cell culture container with a grooved design at the bottom, which is suitable for the cultivation of bacteria, yeast, animal, and plant cells, etc., which require relatively high oxygen.

**1.7.5** PETG flask when shaking with a shaker during use, it can effectively reduce the viscosity caused by free DNA and cell debris. Cap high strength material of HDPE, divided

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into sealing cover and breathable cover, cover gasket seal used in gas and liquid, breathable cover on top of the bottle cap and the hydrophobic membrane filter, mainly used for sterile gas exchange, can effectively prevent microbes in and out, to prevent pollution, and ensure the gas exchange, make the cells or bacteria grow well.

**1.7.6** The E- flask PC is a cell culture container, Suitable for suspension culture of cell lines with high oxygen requirement (animal cells, bacteria, fungi, plant callus, etc.)

### **1.8 Sterilization:**

Sterile catalog numbers 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<sup>-6</sup>

### **1.9 Basic Features**

**1.9.1 Autoclavability:** Can be autoclave without cap.

**1.9.2 Temperature Range:** -70<sup>0</sup> to +121<sup>0</sup>C

**1.9.3 Chemical resistance:** See website ([www.abdoslifesciences.com](http://www.abdoslifesciences.com))

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

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

### **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.

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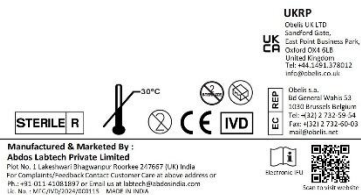
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## WARNING

**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.

## 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.



Quality Manager  
Abdos Labtech Private Limited  
Employee Code 30110



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