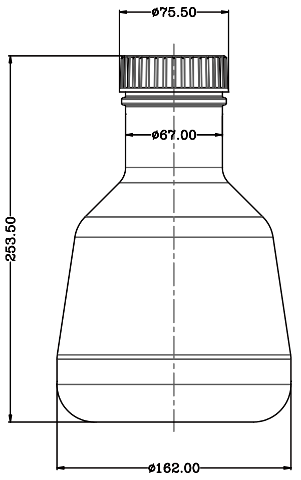
NEST®

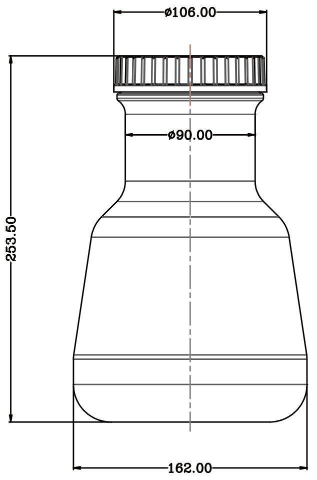
››› NEW ARRIVAL ‹‹‹

3L Wide Mouth High Efficiency Erlenmeyer flask

>>> Bottleneck diameter increased from
ø67 mm to ø90 mm
>>> Enhanced oxyen flux
>>> Improved efficiency of cell culture



3L High Efficiency Erlenmeyer Flask



3L Wide Mouth High Efficiency Erlenmeyer Flask

High Efficiency Erlenmeyer Flask

Product Information

Cat.No.	Volume	Cap Style	High	Bottleneck Diameter	Bottom Diameter	/Cs

785101	2L	Seal Cap	213.5	67	162	4
785111	2L	Vent Filter Cap	213.5	67	162	4
786101	3L	Seal Cap	253.5	67	162	4
786111	3L	Vent Filter Cap	253.5	67	162	4
787001	5L	Seal Cap	285.5	90	230	4
787011	5L	Vent Filter Cap	285.5	90	230	4
786501	3L Wide Mouth	Seal Cap	253.5	90	162	4
786511	3L Wide Mouth	Vent Filter Cap	253.5	90	162	4

Introduction

High Efficiency, large-volume culture flasks allow cells to show strong viability with large expression amount of proteins in the culture of mammalian cells and insect cells. During the culturing process, the use rate of the shaker is significantly increased, and the survival rate and viability of cells are both dramatically elevated. NEST culture flasks also provide high repeatability, which allows highly inter-batch consistency of cell growth and yield.

Features

The imported medical-grade polycarbonate (PC) that meets with the requirements of ISO10993 USP<661> is chosen as the raw materials, which has high transparency, great impact resistance, oxidation resistance and can withstand a high temperature of up to 121℃.

The scale is clear and accurate when looked at from the outside, which facilitates the observation of the volume of culture medium.

4000
3000
2000

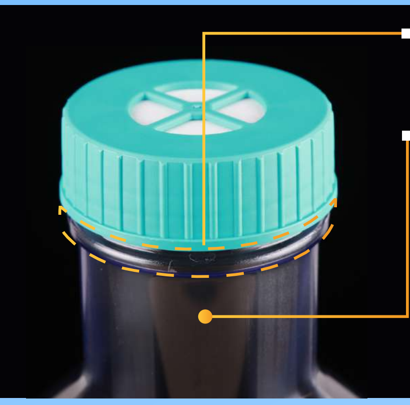
The vent cap is equipped with a 0.22-μm breathable film which is air-permeable and water-proof to efficiently prevent the passing of micro-organisms and contamination and to ensure gas exchange for good growth of cells or bacteria.

The products have undergone the tightness test, drop test, high-temperature and high-voltage tests, flatness test, tensile test, endotoxin test, sterilization test, DNA/RNA enzyme-free tests and cell culture test, all the results of which meet the corresponding quality standards.

Quality
Assurance

Sterile individual package, easy to use.

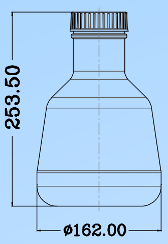
Design Characteristics of High Efficiency Erlenmeyer Flasks



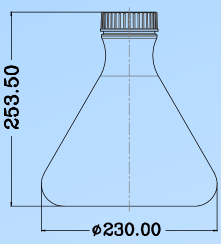
- The lower edge of the cover is thickened and widened for better leak proofing.
- The designs of 2L/3L flasks are optimized with lengthened neck convenient for customers to grip and can avoid that the hand of the customer is too close to the flask mouth when pouring liquid or holding the flask. Meet the aseptic operating practices of pharmaceutical companies.

- The 5L high efficiency erlenmeyer flask is designed with an detachable handle to solve the problem that liquid enters the cavity of the one-piece infected handle as residue. The handle is detachable for flexible application.
- The bottom area and opening size of the NEST high efficiency erlenmeyer flask are exactly the same as those of the Thomson.

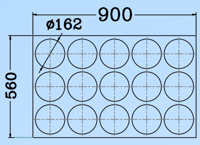
High Efficiency Erlenmeyer Flask Vs Conical Erlenmeyer Flask



3L High Efficiency Erlenmeyer Flask



3L Conical Erlenmeyer Flask



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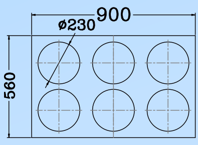


3L Conical Erlenmeyer Flask

- The bottom area of 3L high efficiency erlenmeyer flask is smaller than conical erlenmeyer flask. For a same shaker, more 3L high efficiency erlenmeyer flask can be placed on to which greatly reduce the usage rate of the shaker to save the client's R&D costs.
- Low sheer force born by cells, The amount of foam can be efficiently controlled.

Transfer Caps

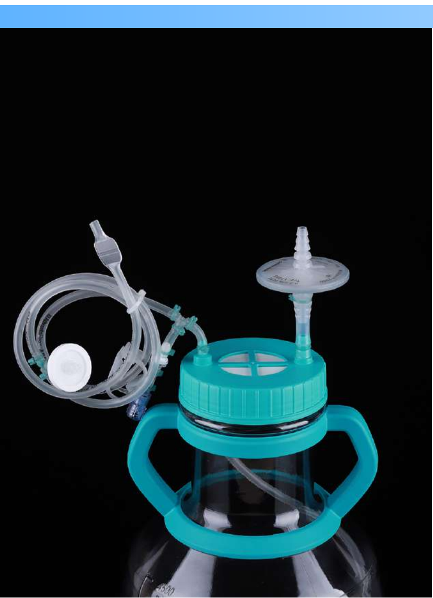
Inverted Liquid Transfer Cap

The inverted transfer cap is used along with a 2L, 3L or 5L Erlenmeyer Flask to connect a liquid inlet tubing with the required device. When liquid transfer is required, the liquid is transferred under gravity with the inverted erlenmeyer flask.

Bi-directional Liquid Transfer Cap

The bi-directional transfer cap is used along with a 2L, 3L or 5L shake flask to connect a liquid inlet tubing with the required device. The liquid transfer is achieved by connection of a peristaltic pump between the erlenmeyer flask and the device. Upon completion of the transfer, the transfer cap can be replaced with a vent cap for culture.

Multifunctional Liquid Transfer Cap



Unlike the bi-directional liquid transfer cap, the multifunctional transfer cap can be directly placed in an incubator for culture after the liquid transfer is completed. It can reach a large air flux. The sampling part is composed of a sampling nozzle and a one-way valve, which can prevent the liquid from flowing backwards during the sampling process and ensure the aseptic sampling. The liquid inlet tubing is provided with a PTFE needle filter, which solves the issue of liquid remaining in the tubing during the feeding process.

Features of Transfer Caps

- Closed system reduces the risks of contamination during liquid transfer.
- The cap is molded and connected in an integrated manner, reducing the risks of leakage and media residues.
- A variety of tubing diameters are available and aseptic welding of liquid inlet tubing under normal conditions is supported.
- High-quality materials and smooth inner wall of the tubing provide an excellent transfer performance.
- Sterility level (SAL) is maintained at 10-6.
- Endotoxin-free, and no ingredients of animal origin.

Product Information

Cat.No.	Name	Adaptation	Hoses' Length (cm)	/Case
785931	Multifunctional Liquid Transfer Cap	2L High Efficiency	50cm	4
786931	Multifunctional Liquid Transfer Cap	3L High Efficiency	50cm	4
787931	Multifunctional Liquid Transfer Cap	5L High Efficiency/ 3L Wide Mouth	92cm	4
785921	Bi-directional Liquid Transfer Cap	2L High Efficiency	50cm	4
786921	Bi-directional Liquid Transfer Cap	3L High Efficiency	50cm	4
787921	Bi-directional Liquid Transfer Cap	5L High Efficiency/ 3L Wide Mouth	92cm	4
785941	Inverted Liquid Transfer Cap	2L High Efficiency	50cm	4
786941	Inverted Liquid Transfer Cap	3L High Efficiency	50cm	4
787941	Inverted Liquid Transfer Cap	5L High Efficiency/ 3L Wide Mouth	92cm	4