

High Efficiency Erlenmeyer Flask & 2/3L Erlenmeyer Flask

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

1. 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°C.
2. The scale is clear and accurate when looked at from the outside, which facilitates the observation of the volume of culture medium.
3. The handle design of the 5-L shake flask is easy to grip, and the high fit between the handle neck and the flask body can prevent slipping; the design for preventing liquid residue at the mouth facilitates pouring; the bottom is flat, so that it is more stable on the sticky board of the shaker.
4. The overall designs of 2/3/5-L shake flasks are consistent and meet culture requirements of different customers. The designs of 2/3-L flasks are optimized with lengthened neck convenient for costumers to grip and can avoid that the hand of the costumer is too close to the flask mouth when pouring liquid or holding the flask. Meet the aseptic operating practices of pharmaceutical companies.
5. 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.
6. The bottom of the 3-L high-efficiency shake flask is optimized to reduce the space occupation, significantly improving the use rate of the shaker, reducing the R&D and production costs of customers.
7. 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.
8. Sterile individual package, easy to use.

New added 3L Wild-mouth High-efficiency Erlenmeyer Flask

1. The body is made of polycarbonate (PC), which meets the USP Class 6 Standard, with high transparency, has strong impact resistance, oxidation resistance and can withstand a high temperature up to 121°C.
2. The bottom diameter of the 3-L wild-mouth high-efficiency Erlenmeyer flask is consistent with that of the 3-L high-efficiency Erlenmeyer flask, and its mouth diameter adopts the neck size of the 5-L high-efficiency Erlenmeyer flask, which not only saves space usage, but also increase oxygen flux, so as to increase the efficiency of cell culture.
3. There is a scale made by injection molding on the flask body to facilitate observing the filled liquid volume.

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4. The wide-mouth neck design is convenient for sampling and liquid filling.
5. No DNA or RNA enzymes, no pyrogens

Material description

Flask body: PC

Flask cap: HDPE

Handle: Nylon

Product Range

Conical Erlenmeyer flask

Cat.no	Volume (L)	Cap	Height (mm)	Neck diameter (mm)	Bottom diameter (mm)	pcs/pack	pcs/case
785001	2	Seal cap	285	47	162	1	6
785011	2	Vent cap	285	47	162	1	6
786001	3	Seal cap	253	62	230	1	4
786011	3	Vent cap	253	62	230	1	4

High-efficiency Erlenmeyer flask

Cat.no	Volume (L)	Cap	Height (mm)	Neck diameter (mm)	Bottom diameter (mm)	pcs/pack	pcs/box
785101	2	Seal cap	213.5	67	162	1	4
785111	2	Vent cap	213.5	67	162	1	4
786101	3	Seal cap	253.5	67	162	1	4
786111	3	Vent cap	253.5	67	162	1	4
787001	5	Seal cap	285.5	90	230	1	4
787011	5	Vent cap	285.5	90	230	1	4
786511(new)	3	Vent cap	253.5	90	162	1	4
786501(new)	3	Seal cap	253.5	90	162	1	4

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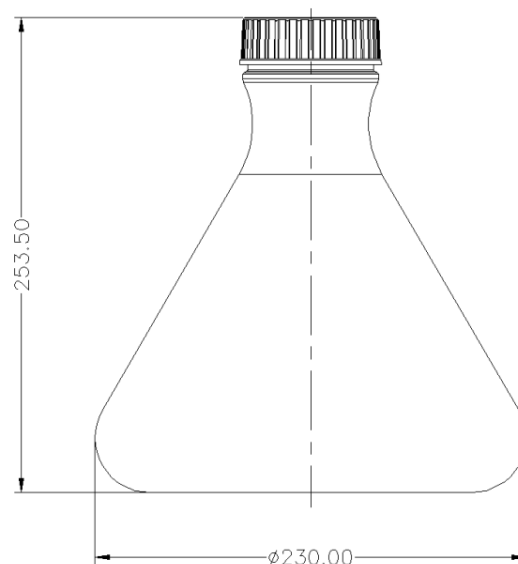
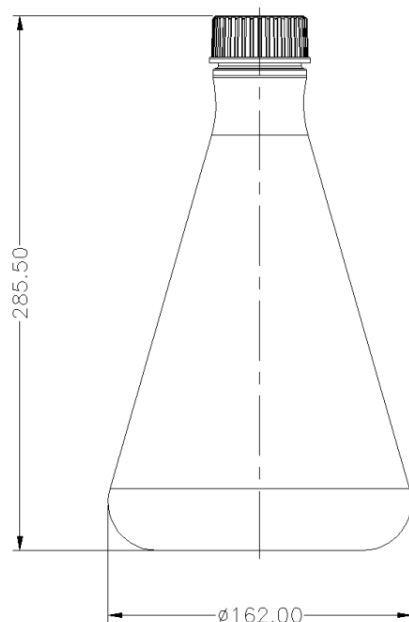
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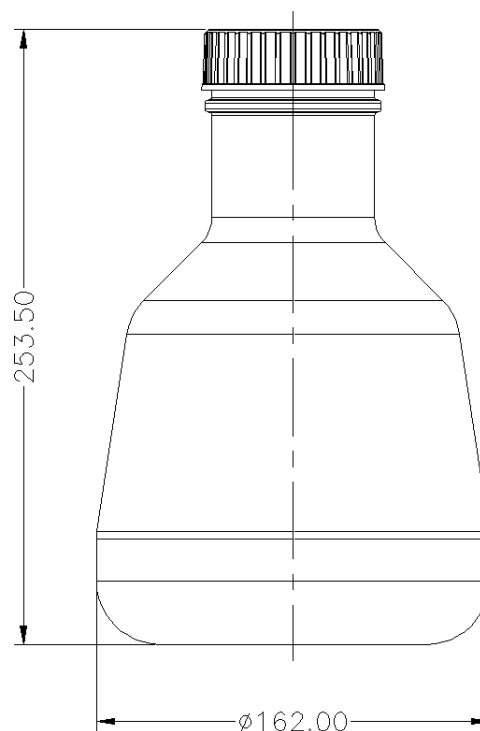
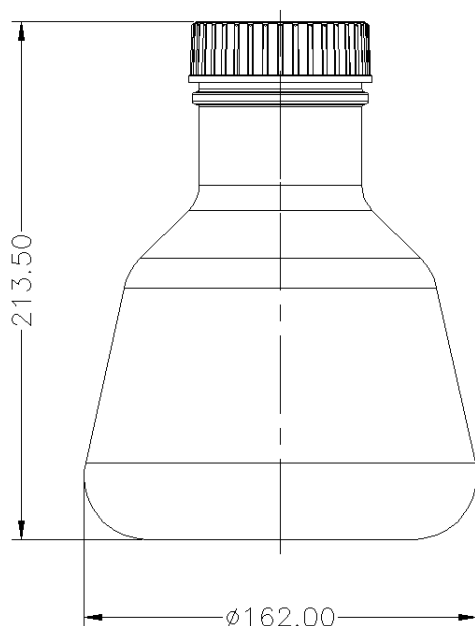
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Technical Drawing

2L/3L Conical Erlenmeyer flask



2L/3L High-efficiency Erlenmeyer flask



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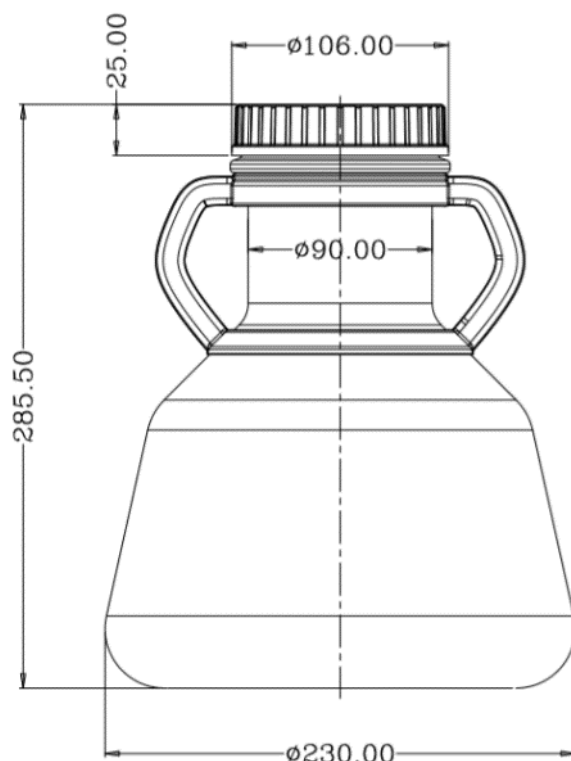
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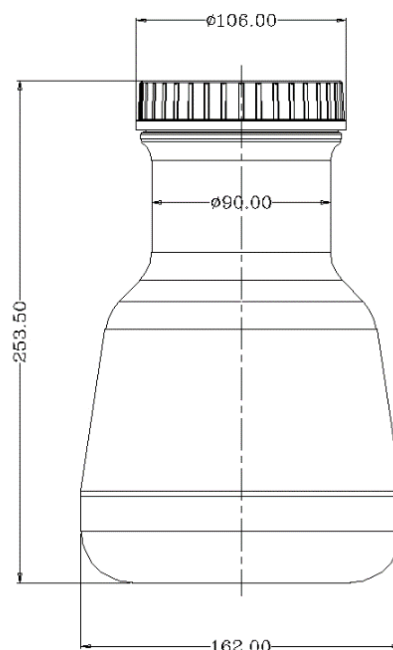
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5L High-efficiency Erlenmeyer flask



3L wild-mouth High-efficiency Erlenmeyer flask



5 Liter Efficient Erlenmeyer Flask (with tube)

In order to meet customer needs, NEST this year grandly launched a 5L Efficient Erlenmeyer Flask with tube, eliminating customer pipeline design, assembly, sterilization and other operations and improving production efficiency.

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Features

1. It is pre-installed on the High Efficiency Erlenmeyer Flask, which realizes the closed transfer of liquid and reduces the risk of external contamination during the process of capping and screwing.
2. The Transfer Cap comes with a large filter membrane, high oxygen flux, and no external air filter is required to ensure high-density culture of cells, while the overall height is reduced, the applicable range of the shaker is wider, and the utilization rate of the shaker is increased.

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Product Range

Cat.no	Product name	Information	Pipe Length	/Cs
787081	5 Liter Efficient Erlenmeyer Flask (with tube)	TPE Thermoplastics pipes, pipe diameter:1/8" ID, 1/4" OD	30cm+30cm	4

Applicable object: mature production technology training stage

Product Detail Drawing



PTFE piping, touch bottom.

Reserved mouth, have been sealed, for other

TPE thermoplastic tube, for liquid transfer, can be aseptically welded in conventional environments by professional instrument.

Syringe Filter 0.22um PTFE, 1 pcs

Tube Clamp, 2 pcs



New Product(787081): 5L Erlenmeyer Flask with Tube

Membrane area: 5361.9mm²



5L Multifunctional Liquid Transfer Cap

Membrane area: 4778.4mm²

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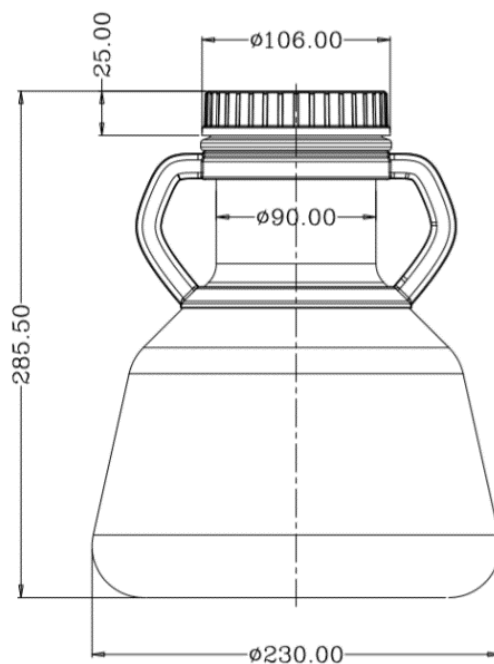
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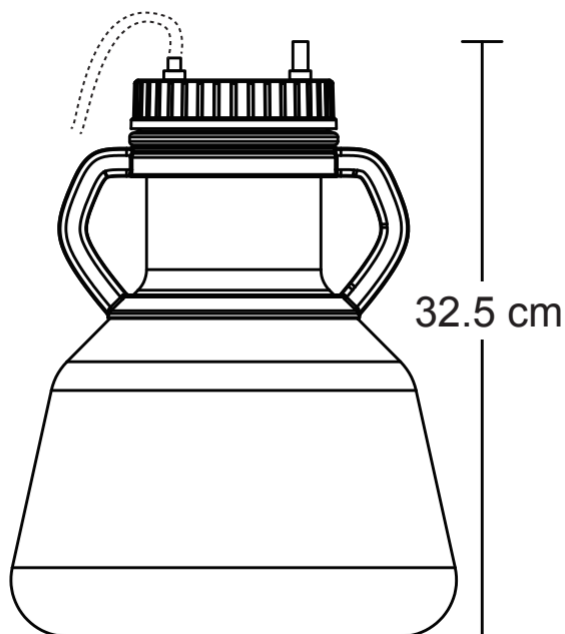
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Technical Drawing



With Tube



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