

Product Name:	Erlenmeyer Flask & High Efficiency Erlenmeyer Flask (Flat-bottom)		
Product Application:	Ideal for shaker culture applications. Can be used for scale-up culture of suspension cells and bacteria. It is suitable for small scale research and industrial-scale production such as vaccines, proteins, monoclonal antibodies and biopharmaceuticals. Erlenmeyer flasks are available in two designs: Erlenmeyer flask & High-efficiency Erlenmeyer flask. Large-volume culture flasks allow cells to show strong viability with large expression ability. High-efficiency Erlenmeyer flask can improve the space utilization of the shaker and resulting in higher yields.		
Product Materials:	PC/PETG (bottle) &PP (cap), meets USP, Class VI standards. Nylon (Handle), PTFE (membrane)		
Product Shelf Life:	Temperature range: stored at room temperature Shelf life: 5 Years after date of production (ensure package is in good)		
Sterilization:	Yes. Sterilized by E-beam, Sterility Assurance Level: SAL=10⁻⁶. The product has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137		
Pyrogens:	Non-Pyrogenic		
RNase/DNase:	DNase/RNase free		
BSE/TSE:	These products are deemed animal free.		
Performance Testing:	Each manufacturing lot is sampled and tested in accordance with standard operating procedures. Appearance inspection: qualified Sealing test: qualified Cell culture test: qualified Packaging inspection: qualified		
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. Erlenmeyer flasks are available in two designs: Erlenmeyer flask & High-efficiency Erlenmeyer flask. Large-volume culture flasks allow cells to show strong viability with large expression ability. High-efficiency Erlenmeyer flask can improve the space utilization of the shaker and resulting in higher yields. 4. The handle design of the 5 L High-efficiency 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		

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liquid residue at the mouth facilitates pouring; the bottom is flat, so that it is more stable on the sticky board of the shaker.

5. 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 High-efficiency 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.

6. The vent cap is equipped with 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.

7. 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.

8. 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.

9. Sterile individual package, easy to use. Products certified sterile have been validated for the proper E-Beam radiation dosage based on ISO 11137. This validation procedure is verified to insure all sterilized product receives adequate doses of E-Beam. All lots are sterilized and certified for proper dosage levels. Products meet a minimum Sterility Assurance Level: (SAL) of 10^{-6} .

Recommendations

1. The amount of culture medium should be well-controlled: around 30%-40% of the total volume of the flask.
2. For the control of the rotation speed during the cultivation process, it is recommended that the starting rotation speed is 75-125 rpm which can be adjusted in practice.
3. Pay attention to the water level in a liquid-oscillating shaker, or the temperature in an air-oscillating shaker.

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Product Range

Erlenmeyer flask (Flat-bottom)

Cat. No.	Volume	Cap	Bottle	/Pack	/Case
781101	125 mL	Seal Cap	PC	1	24
781111	125 mL	Vent Cap	PC	1	24
782101	250 mL	Seal Cap	PC	1	12
782111	250 mL	Vent Cap	PC	1	12
783101	500 mL	Seal Cap	PC	1	12
783111	500 mL	Vent Cap	PC	1	12
784101	1 L	Seal Cap	PC	1	6
784111	1 L	Vent Cap	PC	1	6
785001	2 L	Seal cap	PC	1	6
785011	2 L	Vent cap	PC	1	6
786001	3 L	Seal cap	PC	1	4
786011	3 L	Vent cap	PC	1	4
781001	125 mL	Seal Cap	PETG	1	24
781011	125 mL	Vent Cap	PETG	1	24
782001	250 mL	Seal Cap	PETG	1	12
782011	250 mL	Vent Cap	PETG	1	12
783001	500 mL	Seal Cap	PETG	1	12
783011	500 mL	Vent Cap	PETG	1	12
784001	1 L	Seal Cap	PETG	1	6
784011	1 L	Vent Cap	PETG	1	6

Cap for Erlenmeyer flask

Cat. No.	Product Description	Volume	/Pack	/Case
781925	Seal Cap	125 mL	1	25
781935	Vent Cap	125 mL	1	25
782925	Seal Cap	250 mL	1	25
782935	Vent Cap	250 mL	1	25
783925	Seal Cap	500 mL & 1 L	1	25
783935	Vent Cap	500 mL & 1 L	1	25
785903	Seal Cap	2 L	1	20
785913	Vent Cap	2 L	1	20
786903	Seal Cap	3 L	1	20

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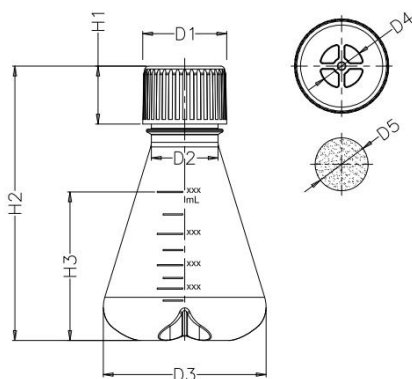
786913	Vent Cap	3 L	1	20
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High-efficiency Erlenmeyer flask (Flat-bottom)

Cat. No.	Volume	Cap	Bottle	/Pack	/Case
785101	2 L	Seal cap	PC	1	4
785111	2 L	Vent cap	PC	1	4
786101	3 L	Seal cap	PC	1	4
786111	3 L	Vent cap	PC	1	4
787001	5 L	Seal cap	PC	1	4
787011	5 L	Vent cap	PC	1	4
786501	3 L (Wild-mouth)	Seal cap	PC	1	4
786511	3 L (Wild-mouth)	Vent cap	PC	1	4

Cap for High-efficiency Erlenmeyer flask

Cat. No.	Product Description	Volume	/Pack	/Case
786903	Seal Cap	2 L & 3 L	1	20
786913	Vent Cap	2 L & 3 L	1	20
787903	Seal Cap	3 L (Wild-mouth) & 5 L	1	20
787913	Vent Cap	3 L (Wild-mouth) & 5 L	1	20

Technical Drawing**125-1000 mL Erlenmeyer flask**

compatibility	Dimension							
	D1	D2	D3	D4	D5	H1	H2	H3
125mL (baffled)	38.00	29.30	65.80	14.85	22.50	29.50	115.00	59.20
250mL (baffled)	42.80	34.00	83.00	21.65	27.00	29.50	139.70	73.10
500mL (baffled)	48.00	39.00	101.00	21.65	27.00	29.50	179.00	104.50
1000mL (baffled)	48.00	39.00	128.00	21.65	27.00	29.50	207.70	142.40
125mL (flat)	38.00	29.30	65.80	14.85	22.50	29.50	113.00	57.20
250mL (flat)	42.80	34.00	83.00	21.65	27.00	29.50	139.70	73.10
500mL (flat)	48.00	39.00	101.00	21.65	27.00	29.50	178.00	103.50
1000mL (flat)	48.00	39.00	128.00	21.65	27.00	29.50	204.20	138.90

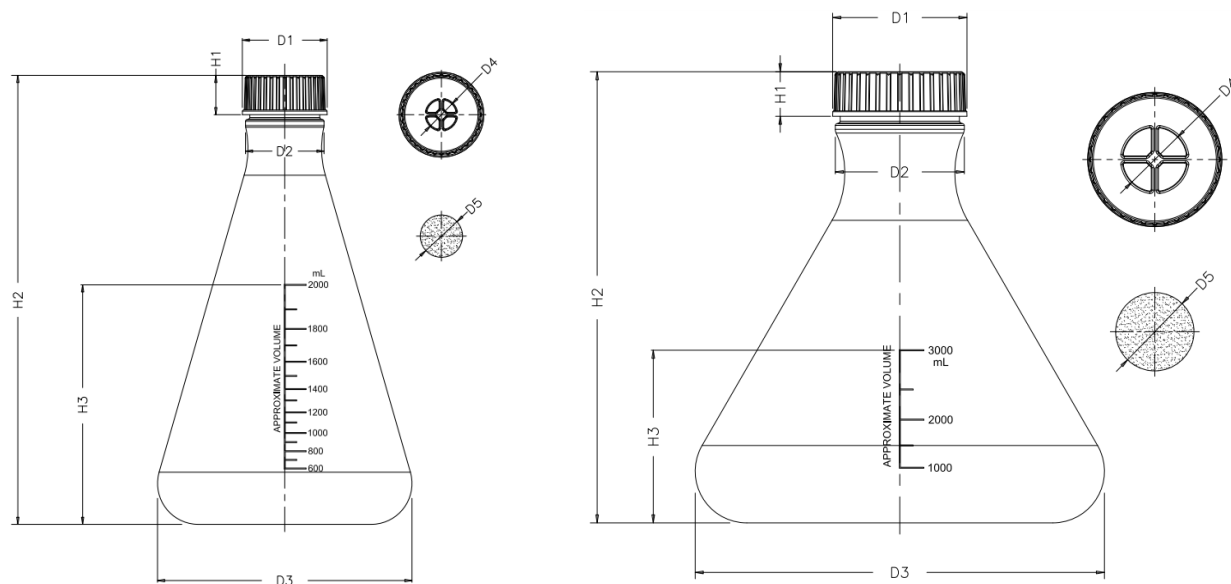
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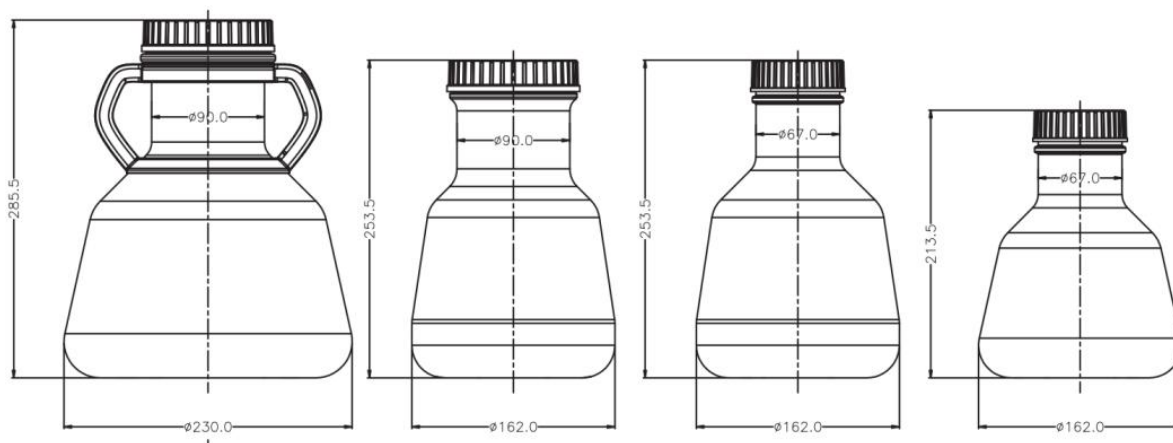
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2L/3L Erlenmeyer flask



Compatibility	Dimension							
	D1	D2	D3	D4	D5	H1	H2	H3
2L	54.00	50.00	162.00	19.00	27.00	25.00	285.50	152.30
3L	75.50	72.50	230.00	36.00	44.00	25.00	253.50	97.00

5L / 3L wild-mouth / 3L / 2L High-efficiency Erlenmeyer flask



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