Polycarbonate Erlenmeyer Flasks.

Ideal when safety, cost, weight or shatter-resistance are priorities.

DUAL-FUNCTION CAPS

Simplify your workflow with dual-function polypropylene caps featuring a 0.22 µm PTFE membrane, you can confidently use the same flask for both aerobic and anaerobic cultures.

Effortless Switching! No more hassle of changing caps between experiments. When you need to allow sterile gas exchange, simply remove the top section of the cap. When you're ready to seal the flask, just replace it—quick, easy, and no risk of contamination.

Peace of mind. Stop relying on foil or bungs that can breed contaimination. These caps are designed to keep your cultures safe and sterile throughout the process, letting you focus on your research instead of worrying about contamination.

LIGHTWEIGHT

Significantly lighter than glass, these flasks are easier to transport, store and handle

SHATTER-RESISTANT

Extends product life and reduces the risk of injury from broken glass

REUSABLE

Polycarbonate flasks withstand **at least 10 autoclave cycles** and remain optically clear after autoclaving

BAFFLED FLASKS

Available in all volumes

Passionate for science.

starlab

Polycarbonate Erlenmeyer Flasks.

DURABLE, SAFE, REUSABLE.

Starlab's polycarbonate erlenmeyer flasks are ideal when safety, cost, weight and shatter-resistance are priorities. Safer to transport and handle compared to glass, these lightweight flasks are especially useful in educational settings, fieldwork and applications where glass breakage is a concern.

Use for the cultivation of bacteria, yeast and fungi, as well as plant and animal cells in suspension.

ADDITIONAL FEATURES

- Moulded graduations for easy volume measurement
- Compatible with standard shaking incubator tables and clamps
- Individually-wrapped
- Sterility level (SAL 10^{-6}) fulfils the highest demands
- Certified RNase, DNase, DNA and Pyrogen free

GOOD TO KNOW!

Safer than glass. Plastic flasks are far less likely to break or shatter if dropped, reducing the risk of injury from broken glass.

Polycarbonate is visibly clearer than glass and does not etch over time, which can prevent the removal of chemical residues.

	DESCRIPTION	PACK SIZE	ART. NO.
FLAT BASE 	125 ml Erlenmeyer Flask, Flat Base	24	**E5000-1012**
	250 ml Erlenmeyer Flask, Flat Base	12	**E5000-1025**
	500 ml Erlenmeyer Flask, Flat Base	12	**E5000-1050**
	1000 ml Erlenmeyer Flask, Flat Base	6	**E5000-1100**
	2000 ml Erlenmeyer Flask, Flat Base	6	**E5000-1200**
	3000 ml Erlenmeyer Flask, Flat Base	3	**E5000-1300**
BAFFLED BASE 	125 ml Erlenmeyer Flask, Baffled Base	24	**E5001-1012**
	250 ml Erlenmeyer Flask, Baffled Base	12	**E5001-1025**
	500 ml Erlenmeyer Flask, Baffled Base	12	**E5001-1050**
	1000 ml Erlenmeyer Flask, Baffled Base	6	**E5001-1100**
	2000 ml Erlenmeyer Flask, Baffled Base	6	**E5001-1200**
	3000 ml Erlenmeyer Flask, Baffled Base	3	**E5001-1300**

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Polycarbonate Erlenmeyer Flasks.

TECHNICAL SPECIFICATIONS						
Flask volume	**125 ml**	**250 ml**	**500 ml**	**1000 ml**	**2000 ml**	**3000 ml Fernbach Style**
Recommended fill volume	31–50 ml	62–100 ml	125–200 ml	250–400 ml	500–800 ml	750–1200 ml
Base diameter	71 mm	83 mm	105 mm	137 mm	165 mm	230.5 mm
Height (w/o cap)	105 mm	133 mm	156 mm	204 mm	265 mm	250 mm
Height (with cap)	114.3 mm	142.3 mm	165.3 mm	215.8 mm	276.8 mm	260 mm
No. of baffles per flask	4					
Cap air flow	3 L/min/cm^2					
Recommended rotation speed	0 – 200 rpm					
Temperature range	**Flasks:** -40 °C to 125 °C / **Caps:** 0 °C to 125 °C					
Autoclavable	Yes (caps and flasks, at least 10 cycles)					
Sterility level	SAL 10^{-6}					
Certification	RNase, DNase, DNA & Pyrogen free					

*All specifications (excluding number of baffles) relate to both flat and baffled base flasks.

STEAM STERILISATION INSTRUCTIONS:

Our Erlenmeyer flasks can withstand **at least 10 steam sterilisation cycles.** Recommended setting is 121°C at 15 psi, up to 60 minutes.

Filled Flasks:

Loosen the cap so it‘s barely engaged, and sterilise according to your lab‘s standard protocoll. After sterilisation, let the flask and content cool to at least 55 °C before fully tightening the cap. Tightening the cap while hot may distort the flask as it cools.

Empty Flasks:

Remove the caps and place flasks in autoclave bags. Cover the neck and top with aluminum foil, crimping to prevent it from falling off. Secure the foil with autoclave tape to keep it in place, and indicate steam exposure.