

# Polycarbonate Erlenmeyer Flasks.

STERILE | LEAKPROOF | SHATTERPROOF | AUTOCLAVABLE | REUSABLE

## DUAL-FUNCTION

Polypropylene caps with a 0.22  $\mu\text{m}$  PTFE membrane, ideal for both aerobic and anaerobic cultures so can now stock one flask type for both cultures.

Avoid the inconvenience of switching caps, simply remove the top section to allow sterile exchange, and then replace when ready, with no contamination risk.



## OPTICALLY CLEAR

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



# Polycarbonate Erlenmeyer Flasks.

## DESIGNED TO BE REUSED!

Starlab's Erlenmeyer flasks are ideal for the cultivation of bacteria, yeast and fungi, as well as plant and animal cells in suspension. User convenience and flexibility is provided by the vented caps which have an integral 0.22 µm PTFE membrane, making these flasks suitable for both vented and non-vented applications. Better still, the flasks are autoclavable and designed to be reusable.



## PRODUCT FEATURES:

- Optically clear polycarbonate flasks
- Available in volumes 125 ml up to 3000 ml
- Moulded graduations for easy volume measurement
- Dual-function, vented polypropylene cap provides sterile air exchange or a tight seal
- 0.22 µm PTFE cap membrane
- Compatible with standard shaking incubator tables and clamps
- Individually-wrapped
- Sterility level (SAL 10<sup>-6</sup>) fulfils the highest demands
- Certified RNase, DNase, DNA and Pyrogen free



## GOOD TO KNOW!

Tested to withstand at least 10 autoclave cycles. Dual-function cap means one flask can be used for both anaerobic and aerobic cultures. Safer than 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.
<b>FLAT BASE</b> 	125 ml Erlenmeyer Flask, Flat Base	24	<b>E5000-1012</b>
	250 ml Erlenmeyer Flask, Flat Base	12	<b>E5000-1025</b>
	500 ml Erlenmeyer Flask, Flat Base	12	<b>E5000-1050</b>
	1000 ml Erlenmeyer Flask, Flat Base	6	<b>E5000-1100</b>
	2000 ml Erlenmeyer Flask, Flat Base	6	<b>E5000-1200</b>
	3000 ml Erlenmeyer Flask, Flat Base	3	<b>E5000-1300</b>
<b>BAFFLED BASE</b> 	125 ml Erlenmeyer Flask, Baffled Base	24	<b>E5001-1012</b>
	250 ml Erlenmeyer Flask, Baffled Base	12	<b>E5001-1025</b>
	500 ml Erlenmeyer Flask, Baffled Base	12	<b>E5001-1050</b>
	1000 ml Erlenmeyer Flask, Baffled Base	6	<b>E5001-1100</b>
	2000 ml Erlenmeyer Flask, Baffled Base	6	<b>E5001-1200</b>
	3000 ml Erlenmeyer Flask, Baffled Base	3	<b>E5001-1300</b>

 [starlab.click/erlenmeyers](https://starlab.click/erlenmeyers)

# 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
Sterility level	SAL 10 <sup>-6</sup>					
Cap air flow	3 L/min/cm <sup>2</sup>					
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)					

\*Specifications relate to both flat and baffled base flasks.

## STEAM STERILISATION INSTRUCTIONS:

Our Erlenmeyer flasks are designed to withstand **at least 10 steam sterilisation cycles**. Recommended sterilisation temperature 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 usual guidelines or protocol. Before securing the cap allow the flasks and contents to cool to at least 55 °C. Tightening the cap on a hot flask will distort the flask as the contents cool down.

### Empty Flasks:

Remove the caps from the flasks and sterilise in autoclave bags. As with glass Erlenmeyers, cover the neck and tops of the flasks with aluminum foil. Crimp the foil enough so it does not fall off during autoclaving. Use a small piece of autoclave tape to secure the foil to the flask, and to indicate that the flask has been exposed to steam.