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Product Name :

Baffled Culture Flask

Product Code :

SLE/GFL/04



Science Lab
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Description :

Baffled Culture Flask (Product Code: SLE/GFL/04) is a borosilicate glass flask with four equidistant baffles, designed for preparing and growing liquid cultures on an orbital shaker. The baffles break up the smooth swirl of the liquid so agitation stays consistent when the flask is run on a compatible shaker, and the glass withstands repeated autoclave cycles at 121°C. It serves microbiology, biotechnology and life-science teaching laboratories, and is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its microbiology lab equipment for India and international markets.

Specifications

Parameter	Detail
Material	Borosilicate glass
Baffles	Four, equidistant
Agitation	Consistent agitation on compatible orbital shakers
Sterilisation	Suitable for repeated autoclave cycles at 121°C
Properties	Heat resistant; chemical resistant
Intended use	Preparation of cultures

Typical Use

A typical workflow is to add the liquid growth medium, close the neck with a cotton or foam plug or a foil cover, sterilise the flask in a laboratory autoclave sterilizer at 121°C, and inoculate it once cool. The flask is then clamped on an orbital shaker for incubation. In a plain flask the liquid tends to spin as a smooth vortex; the four baffles interrupt that motion, creating more turbulence so the culture is mixed more evenly and exposed to more air at the surface.

Fill the flask only partly so there is enough headspace for mixing, and choose shaker settings that avoid wetting the plug. Clean around the baffles with a suitable brush after use, and inspect the glass for chips or cracks before each autoclave run.

Manufacturer

ScienceLab is the trading identity of **Jain Scientific Equipments Private Limited**, a manufacturer of glassware and laboratory equipment located in Ambala, Haryana, India. Its customers include schools, colleges, universities and distributors. You can find out more about the company on the company profile page.

Related Laboratory Equipment

Equipment used in the same culture workflow:

- Orbital Shaker — provides the agitation the baffles are designed for
- Orbital Shaker, Digital — a shaker with digital control of settings