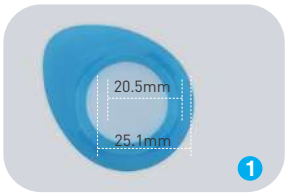
Cell Strainer

Compatible for 250mL/225mL Conical Centrifuge Bottles

Pore Size: 40μm 70μm 100μm
Color: Blue White Yellow
Materials: Frame: Polypropylene (PP), Bottom: Nylon mesh, conforming to USP Class VI standards

The cell strainer is a sterile sieving device that quickly separates primary culture cells from cell clusters and tissues. It effectively removes cell aggregates or large particles from cell suspensions to ensure accurate subsequent experiments such as flow cytometry and cell sorting.

GVS cell strainers (compatible for 250mL/225mL conical centrifuge bottles) feature an enclosed frame side and a mesh bottom structure, with a mesh diameter of 20.5mm and a bottom frame outer diameter of 25.1mm. These specifications are tailored for GVS 250mL and 225mL conical centrifuge bottles but also compatible with most similar conical bottles on the market. The frame side includes two venting spacers to facilitate ventilation, effectively preventing mesh clogging and liquid overflow.



Features

- Mesh diameter of 20.5mm and bottom frame outer diameter of 25.1mm, compatible for most of 250mL and 225mL conical centrifuge bottles. 1
- The strainer's frame side features two venting spacers for enhanced ventilation, effectively preventing mesh clogging and liquid overflow. 2
- Enclosed frame sides minimize residual samples.
- Extension edge of the strainer frame allows for aseptic operations.
- Frame and edge can be marked in different colors for easy handling and identification.
- The bottom consists of an evenly distributed nylon mesh, ensuring reliable and consistent experiment results.
- Blister packaging features a groove design for easy access. 3
- Sterilized by irradiation to SAL 10-6; DNase/RNase-free, non-pyrogenic, an non-cytotoxic.

Ordering information

Product Code	Pore Size	Strainer Diameter (mm)	Bottom Outer Diameter (mm)	Color	Sterile	Qty. Per Box	Qty. Per Case
CELCUJG013040A	40μm (330 mesh)	20.5	25.1	Blue	Y	50	200
CELCUJG013070A	70μm (220 mesh)	20.5	25.1	White	Y	50	200
CELCUJG013100A	100μm (150 mesh)	20.5	25.1	Yellow	Y	50	200
CELCUJG014040A	40μm (330 mesh)	20.5	25.1	Blue	Y	50	200
CELCUJG014070A	70μm (220 mesh)	20.5	25.1	White	Y	50	200
CELCUJG014100A	100μm (150 mesh)	20.5	25.1	Yellow	Y	50	200
CELCUJG015040A	40μm (330 mesh)	30.7	35.7	Blue	Y	50	200
CELCUJG015070A	70μm (220 mesh)	30.7	35.7	White	Y	50	200
CELCUJG015100A	100μm (150 mesh)	30.7	35.7	Yellow	Y	50	200
CELCUJG025040A	40μm (330 mesh)	30.7	35.7	Blue	Y	50	200
CELCUJG025070A	70μm (220 mesh)	30.7	35.7	White	Y	50	200
CELCUJG025100A	100μm (150 mesh)	30.7	35.7	Yellow	Y	50	200

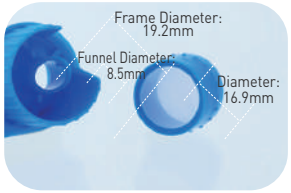
Small Cell Strainer

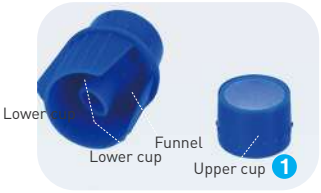
Compatible with 1.5mL-15mL Centrifuge Tubes, Flow Cytometry Tubes and Culture Tubes

Pore Size: 40μm 70μm 100μm
Color: Blue White Yellow
Materials: Frame: Polypropylene (PP), Bottom Mesh: Nylon, conforming to USP Class VI standards

The cell strainer is a sterile sieving device that quickly separates primary culture cells from cell clusters and tissues. It effectively removes cell aggregates or large particles from cell suspensions to ensure accurate subsequent experiments such as flow cytometry and cell sorting.

GVS small cell strainers feature a split design with separate upper and lower cups, with a mesh diameter of 16.9mm, a lower cup inner diameter of 19.2mm, and a funnel outer diameter of 8.5mm. The upper cup of the small cell strainer is designed for filtration and collection, while the lower cup features a two-stage slot that enhances its compatibility. Additionally, the special venting spacers and air slots in the lower cup effectively prevent mesh clogging and liquid overflow.





Features

- Split Design: The innovative split design allows for the inverted collection of residual cells into the upper cup, effectively minimizing sample loss 1
- Special venting spacers 2 and air slots 3 in the lower cup prevent mesh clogging and liquid overspill, ensuring smooth filtration
- Wide compatibility: suitable for most centrifuge tubes, flow cytometry tubes, and culture tubes on the market with an inner diameter greater than 9mm and an outer diameter less than 19mm
- Strainers of different pore sizes can be stacked for one-step sequential filtration, enhancing efficiency
- The frame handle supports aseptic operation, reducing the risk of contamination during handling
- Evenly distributed nylon mesh bottom, providing consistent experimental results
- The easy-to-tear individual packaging facilitates sterile operation and prevents contamination
- Sterilized by irradiation to SAL 10-6; DNase/RNase-free, non-pyrogenic and non-cytotoxic

Compatible Tubes/Bottles

30ml square media bottle | 15ml centrifuge tube | 30ml PS centrifuge tube | 14ml culture tube | 8ml culture tube | 5ml culture tube | 4ml culture tube | 5ml centrifuge tube | 2ml centrifuge tube | 1.5ml centrifuge tube

Instruction for use

Filtration

Connect the strainer to a 15mL centrifuge tube and add the cell suspension into the upper cup for filtration.

Inversion

Invert the upper cup, connect the strainer to another 15mL centrifuge tube, and rinse back any residue on the strainer mesh.

Stacking

Stack strainers of different mesh sizes for sequential filtration of varying cell sizes. Note that larger mesh pore size are above smaller ones.

Ordering information

Product Code	Pore Size	Mesh Diameter (mm)	Lower Cup Diameter (mm)	Funnel Diameter (mm)	Upper Cup Capacity (mL)	Color	Sterile	Packaging	Qty. Per Box	Qty. Per Case
CELCUJG016040A	40μm (330 pores)	16.9	19.2	8.5	2.2	Blue	Y	Paper plastic bag	/	50
CELCUJG016070A	70μm (220 pores)	16.9	19.2	8.5	2.2	White	Y	Paper plastic bag	/	50
CELCUJG016100A	100μm (150 pores)	16.9	19.2	8.5	2.2	Yellow	Y	Paper plastic bag	/	50
CELCUJG026040A	40μm (330 pores)	16.9	19.2	8.5	2.2	Blue	Y	Blister packed	50	200
CELCUJG026070A	70μm (220 pores)	16.9	19.2	8.5	2.2	White	Y	Blister packed	50	200
CELCUJG026100A	100μm (150 pores)	16.9	19.2	8.5	2.2	Yellow	Y	Blister packed	50	200