pluriStrainer® Set 1 (Cell Strainer)

Order No.:43-50001-99

Description

The pluriStrainer® is a sieving device (or cell strainer) for a wide range of laboratory applications where the filtration and the purification of liquids is required. Its unique design features improved ventilation to avoid clogging for a smart sample preparation. pluriStrainer® are stackable to allow direct filtration with different mesh sizes and alsocan be inverted to recover the sieved material. For large sample volumes it can be combined with a funnel. It fits all major brand 50 mL centrifuge (conical) tubes. The combination of the pluriStrainer® and the Connector Ring allow using low pressure which supports the filtration. Furthermore it is possible to block the flow through the sieve and hold back the liquid on top of the mesh. The liquid on top of the mesh can be used for sample preparation and incubation such as tissue dissociation or the treatment of cells with cell lysis reagents (e.g. Buffer RLT, TRIzol®).
This set includes 4 x (5 µm, 10 µm, 15 µm, 20 µm and 30 µm) pluriStrainer and 4 Connector Rings.

Application

- Obtaining a real single cell suspension after digestion of mammary tissue and organoids
- Enrichment of specific cells using pluriBead technology
- Preparation of a single cell suspension of blood cells from bone marcol-sm-12, pancreas, thymus, lymph nodes and others
- Dissociation of cells from other primary tissue
- Preparation of real single cell suspension for flow cytometry(FACS™)
- Faster and easier alternative to gauze filtration
- Sieving of complex and viscous liquids (in combination with Connector Ring & Syringe for vacuum)
- Short time incubation of cells / cytokine (in combination with pluriBead and Connector Ring)

Features

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Filter

Attach pluriStrainer® to a sterile 50 mL centrifuge tube. Then, add sample material onto the strainer and filter sample

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Reverse

To obtain the larger fraction, take off the pluriStrainer®, turn it upside down onto another 50 mL tube and flush back the sample from the pluriStrainer®.

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Increase sample load
With Funnel You can add up to 24 mL sample material on top.

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Stack
Stacking of pluriStrainer® with different mesh sizes allows for straining various cell sizes at the same time.

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Flow control
Allows to control the rate of flow by opening or closing the Luer-Lock, e.g. for physical dissociation of primary tissue (brain, spleen etc.).

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Low pressure
If you add a syringe to the Connector Ring, it is possible to force low pressure to support the straining of rough sample material while pulling the piston.

Additional Information

Delivery Time (days)	1-2
Mesh Size	Multiple
Variation	20 pc, sterile, PET-Mesh
Packaging	Individual single packed
Size	20 pc + 4 Connector Rings
Flow Control	Yes, in combination with Connecting Ring
Mesh Fixation	Injected in housing for strong hold

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Fabric material	PET (Polyethylenterephthalat)
Housing Material	LD-PE (Low Density Polyethylen)
Mesh Type	woven
Handling	Extended lip on strainer enables aseptic handling
Sterility	Sterile
Comparable with	Corning Cell Strainer, EASYstrainer™ Cell sieve, Falcon™ cell strainer, Reversible Strainer, MACS® SmartStrainer
Stability	Buffer RLT®, TRIzol®, Isopropanol, organic solvent
Centrifugable	Yes
Tissue Dissociation	Yes
Disinfectable	Yes, with 70% ethanol
Area of interest	Immunology, Cell Biology, Plant Biology, Microbiology, Oncology, Ecology
Shipping Condition	Room Termperature
Storage Condition	Room Temperature
Regulatory Statement	For research use only. Not for use in diagnostic procedures,
Legal information	Buffer RLT® is a trademark of Qiagen, TRIzol® is a trademark of Molecular Research Center, Inc., FACS™ is a trademark of BD Biosciences, Corning is a registered trademark of Corning, Inc.; EASYstrainer™ is a registered trademark of Greiner Bio One International GmbH, Falcon™ Cell Strainers is a registered trademark of Corning, Inc.; MACS® SmartStrainer is a registered trademark of Miltenyi Biotec GmbH

Warning and Limitations

This product is for research and development only, not for diagnostic or theurapeutic use.

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