

pluriStrainer® Set 1 (Zellsieb)

Order No.:43-50001-99



Beschreibung

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 also can 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 (1µm, 5µm, 10µm, 15µm, 20µm and 30µm) pluriStrainer and 8 Connector Rings.

Anwendung

- Anreicherung von Einzelzellen nach enzymatischem Verdau oder physikalischem Aufschluss von Geweben oder Organoiden
- Anreicherung von spezifischen Zellen mit unserer pluriBead Technologie
- Gewinnung von Blutzellen aus Knochemark, Pankreas, Thymus oder Lymphknoten
- Abtrennung von Koageln aus Vollblutproben oder Buffy Coat
- Filtration und Isolierung von Primärzellen oder Zellen aus Zellkulturen
- Reinigung und Anreicherung von Zellaggregaten oder Sphäroiden
- Direkter Gewebeaufschluss auf dem pluriStrainer
- Probenvorbereitung für die Durchflusszytometrie (FACS™)
- Probenvorbereitung für die Anreicherung von Zellen mit magnetischen Zellseparationsverfahren
- Alternative zur "gauze filtration"
- Anreicherung von Pflanzensamen
- Filtration von Urin, Sputum oder Spülflüssigkeiten (Lavage)
- Anreicherung von Parasiteneiern

Funktionen



Filter

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



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®.



Increase sample load

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



Stack

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



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.).



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

Lieferzeit	1-2
Maschengröße	Multiple
Variante	25 pcs, sterile, PET-Mesh
Verpackung	Individual single packed
Lieferumfang	24 pcs. + 8 Connector Rings
Durchflussregelung	Yes, in combination with Connecting Ring
Mesh Fixation	Injected in housing for strong hold

Gewebematerial	PET (Polyethylenterephthalat)
Gehäusematerial	LD-PE (Polyethylen niedriger Dichte)
Maschenart	gewoben
Handhabung	Extended lip on strainer enables aseptic handling
Sterilität	steril
Vergleichbar mit	Corning Cell Strainer, EASYstrainer™ Cell sieve, Falcon™ cell strainer, Reversible Strainer, MACS® SmartStrainer
Stabilität	Buffer RLT®, TRIZOL®, Isopropanol, organic solvent
Zentrifugierbar	Ja
Gewebedissoziation	Ja
Desinfizierbar	Yes, with 70% ethanol
Interessengebiet	Immunologie, Zellbiologie, Pflanzenbiologie, Mikrobiologie, Onkologie, Ökologie
Lieferbedingungen	Room Temperature
Lagerbedingungen	Raumtemperatur
Regulierungserklärung	For research use only. Not for use in diagnostic procedures,
Rechtliche Hinweise	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 therapeutic use.