AcroPrep™ 24-well filter plates

FOR CLARIFICATION AND STERILE FILTRATION

Cytiva provides two 24-well, 7 mL, filter plates for use in protein purification and general sterile filtration workflows. Our high-performance multi-layer filter media and membranes offer time savings, strong performance, and streamlined workflow improvements in a 24-well plate format. Each filter plate comes with a V-shaped bottom collection plate and lid.

Protein purification workflows with the AcroPrep cell clarification and sterile filtration plate

Cytiva clarification and sterile filtration AcroPrep 24-well filter plate can clarify and 0.2 µm sterile filter in a single device and workflow step. With either a vacuum manifold or centrifuge, high density cell cultures (such as CHO or HEK) can be quickly processed resulting in the capture of cells, cell debris and other biological aggregates in the filter media. The filtrate collected by the 24-well collection plate contains proteins and other sub 0.2 µm particles. This innovative workflow is possible by using multi-layer filtration media and membranes integrated into one device. The top layer features Seitz depth media and efficiently captures whole cells and cell debris. The lower Supor™ EKV layer provides an efficient sterile filtration layer. The combination effortlessly recovers proteins from whole cell cultures with varying variabilities of up to 25M+ cells/mL.

Compared to traditional methods to recover proteins from cell cultures, Cytiva's cell clarification and sterile filtration plate uses seven times less plastic consumables by weight, significantly reduces disposal and landfill costs, saving time, and simplifies workflows. Combining clarification and sterilization steps eliminates the need to harvest the cells in a centrifugation step.

Sterile filtration workflows with the AcroPrep 0.2 µm Supor EKV filtration plate

Cytiva's sterile filtration AcroPrep 24-well filter plate is well suited for high volume (up to 7 mL) plate-based sterile filtration needs such as media, reagent, serum or proteins. Compatible with either a vacuum manifold or centrifuge, the 24-well Supor EKV plate features a dual-layer, 0.65 µm membrane integrated with a highly asymmetric 0.2 µm membrane for fast, efficient, and sterilizing grade filtration.

Both AcroPrep 24-well filter plates use ScaleUp filter materials and membranes which are widely available in other laboratory filtration products as well as in GMP grade production devices. This can simplify scale up or technology transfer when moving from research to process development.

Applications

- Clone selection and clone candidate analysis
- Cell expansion studies
- Recombinant protein isolation prior to analysis
- Cell clarification
- Process optimization
- Sterile filtration

AcroPrep 24-well plate features

- Gamma irradiated
- Receiver plate and lid are included
- Individually bagged for ease-of-use
- Intrinsic plate and membrane properties minimize sample loss from non-specific binding
- Automation friendly, compatible with all major automation platforms
- Designed in accordance with the ANSI/SLAS X-2004 standards
- Vacuum compatible with all popular vacuum and positive pressure manifolds
- Suitable for centrifugation with compatible rotors

Clarification and sterile filtration plate

- Depth filter plus 0.65/0.2 µm Supor EKV membrane
- Demonstrates retention of 10^7 cfu/cm^2 of *B. diminuta* per modified ASTM F838
- Depth media allows clarification of large cellular debris prior to filtration through the 0.65/0.2 µm Supor EKV membrane
- Reliable recovery of > 90% of extra cellular proteins

Sterile filtration plate

- 0.65/0.2 µm Supor EKV dual-layer membrane
- Sterilizing grade plate, Demonstrates retention of 10^7 cfu/cm^2 of *B. diminuta* per modified ASTM F838
- Designed for applications where a sterile filtrate is required

DOMINIQUE DUTSCHER SAS

cytiva

Specifications

Filter media
Seitz depth media
Supor EKV (hydrophilic polyethersulfone membrane)

Plate housing
Polypropylene

Lid
Polystyrene

Recommended working volume
7 mL for vacuum
6 mL for centrifugation

Recommended operating vacuum
38 cm Hg (15 in. Hg)

Dimensions
Length: 12.75 cm (5.02 in.)
Width: 8.52 cm (3.36 in.)
Height (with receiver plate): 7.41 cm (2.92 in.)
Height (without receiver plate): 3.76 cm (1.48 in.)
Well-bottom area: 1.57 cm^2 (0.24 $in.^2$)

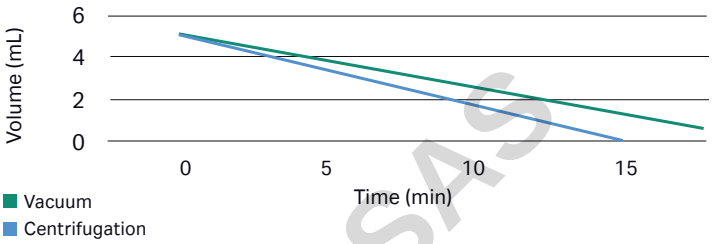
Recommended centrifugal force
1500 g

Typical hold-up volume
97016 and 97026 < 0.4 mL per well
97017 and 97027 < 0.2 mL per well

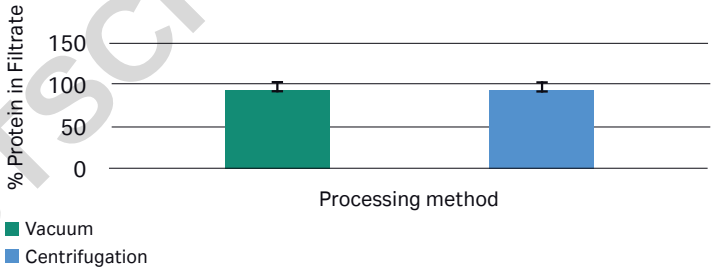
DMSO compatibility
Compatible with 20% DMSO samples (97027, 97017)

Performance of clarification and sterile filtration plate

Evaluation of time to process 5 mL of CHO cells with a density of 25 M cells/mL; Vacuum filtration performed at 15 in Hg; Centrifugation performed at 1,000g



Protein recovery from high-density CHO cells cultures after being through a 24-well plate (Depth + EKV media); 5 mL of CHO cells at a density of 25 M cells/mL



Ordering information

Product code	Description	Pkg
97026	AcroPrep 24-well clarification and sterile filtration plate	8/pkg
97016	AcroPrep 24-well clarification and sterile filtration plate	2/pkg
97027	AcroPrep 24-well sterile filtration plate	8/pkg
97017	AcroPrep 24-well sterile filtration plate	2/pkg

DOMINIQUE DUTSCHER SAS

cytiva.com

www.cytiva.com

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corporation or an affiliate doing business as Cytiva.
AcroPrep and Supor are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva. Any other trademarks are the property of their respective owners.
The Danaher trademark is a proprietary mark of Danaher Corporation.
© 2026 Cytiva
For local office contact information, visit cytiva.com/contact

CY56876-21JAN26-DF