

Description

The Pall AcroPrep 24-well filter plate family uses high performing membranes that enable fast filtration with superior flow rates and low protein binding, making them ideal for a variety of applications. The 24-well format allows up to 7 mL of sample to be filtered, eliminating the need to process samples with other labor intense methods and resulting in time savings. Because continuity of membrane media is important to researchers, these plates contain the same superior membranes found in other Pall device formats. Researchers can confidently incorporate Pall Laboratory 24-well filter plates into their workflow without costly and time-consuming membrane evaluations.

AcroPrep 24-well Filter Plates

- Comprehensive 24-well filter plate portfolio
- Available with high performance membranes for specific applications and workflow needs
- EKV and Supor plates are gamma irradiated
- All plates come with receiver plate and lid
- Plates are constructed from chemically-resistant, biologically-inert polypropylene
- 7 mL volume capacity
- Automation compatible – Manufactured in accordance with SBS guidelines

Specifications

Materials of Construction

Filter Media

Seitz® Depth Media
 Supor® EKV (Hydrophilic polyethersulfone membrane)
 Supor (polyethersulfone membrane)
 Omega™ (modified polyethersulfone membrane)
 PP/PE non-woven (polypropylene/polyethylene)



Plate Housing

Polypropylene

Lid

Polystyrene

Recommended Working Volume (Max)

7 mL for vacuum
 6 mL for centrifugation

Recommended Processing Conditions

Vary by plate membrane type

Dimensions

Length: 12.8 cm (5.0 in)
 Width: 8.6 cm (3.4 in)
 Height (with receiver plate): 7.5 cm (2.97 in)
 Height (without receiver plate): 3.9 cm (1.5 in)
 Well-Bottom Area: 1.6 cm² (0.24 in²)

Typical Hold Up Volume

		Omega						PP-PE	Supor
		1	3	10	30	50	100		
Hold Up Volume (µL)	Centrifuge	19.3	9.8	26.5	24.6	12.8	7	5.5	63
	Vacuum	14	21.2	74.9	14.6	28.8	28.5	13.7	78
	Positive Pressure	7.7	15.6	2.8	28.1	70.9	59.3	4.3	35
Processing Time (min)	Centrifuge	170	135	70	60	60	100	< 10	< 12
	Vacuum	165	135	85	60	60	30	< 1	< 2
	Positive Pressure	155	70	45	50	55	25	< 1	< 5

MWCO Selection Guide

MWCO Selection for Protein Applications

MWCO	Biomolecule Molecular Weight
1K	3K-10K
3K	10K-20K
10K	30K-90K
30K	90K-180K
50K	150K-300K
100K	300K-900K

MWCO Selection for Nucleic Acid Applications

MWCO	Base Pairs (DS)	Bases (SS)
1K	5-16 Bp	9-32 Bs
3K	16-32 Bp	32-65 Bs
10K	50-145 Bp	95-285 Bs
30K	145-285 Bp	285-570 Bs
50K	240-475 Bp	475-950 Bs
100K	475-1,450 Bp	950-2,900 Bs

MWCO Selection for Virus Applications

MWCO	Membrane Nominal Pore Size	Virus or Particle Diameter
100K	10 nm	30 – 90 nm
300K	35 nm	> 90 nm

Performance of Clarification and Sterile Filtration Plate

Figure 1

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 1,000 g

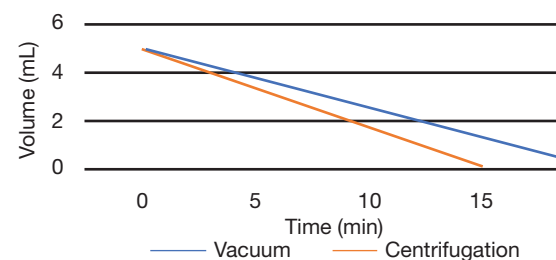
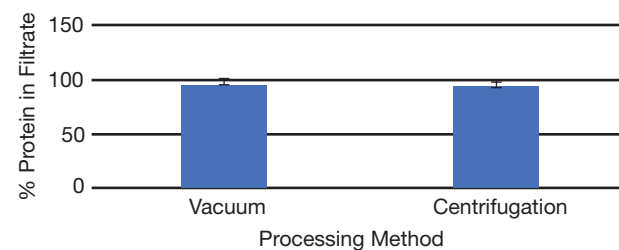


Figure 2

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

Cell Clarification and Sterile Filtration

VWR US Cat. No.	VWR EU Cat. No.	Pall Part No.	Description	Pkg
76360-448	738-0220	97016	7 mL, Seitz Depth Media/0.2 µm Supor EKV	2/pkg
76360-446	738-0219	97026	7 mL, Seitz Depth Media/0.2 µm Supor EKV	8/pkg

General Filtration

VWR US Cat. No.	VWR EU Cat. No.	Pall Part No.	Description	Pkg
76457-240	738-0246	97029	7 mL, 0.1 µm Supor	8/pkg
76457-242	738-0245	97030	7 mL, 0.1 µm Supor	2/pkg
76360-452	738-0221	97017	7 mL, 0.2 µm Supor EKV	8/pkg
76360-450	738-0222	97027	7 mL, 0.2 µm Supor EKV	2/pkg
76457-244	738-0244	97031	7 mL, 0.45 µm Supor	8/pkg
76457-246	738-0243	97032	7 mL, 0.45 µm Supor	2/pkg
76457-248	738-0242	97033	7 mL, 0.8 µm Supor	8/pkg
76457-250	738-0241	97034	7 mL, 0.8 µm Supor	2/pkg
76457-252	738-0240	97035	7 mL, 1.2 µm Supor	8/pkg
76457-254	738-0239	97036	7 mL, 1.2 µm Supor	2/pkg
76457-256	738-0238	97047	7 mL, 5 µm Supor	8/pkg
76457-258	738-0237	97048	7 mL, 5 µm Supor	2/pkg
76457-284	738-0224	97061	7 mL, 30-40 µm, PP/PE	8/pkg
76457-286	738-0223	97062	7 mL, 30-40 µm, PP/PE	2/pkg

Concentration, Buffer Exchange, Desalting of Proteins and Peptides and Nucleic Acids

VWR US Cat. No.	VWR EU Cat. No.	Pall Part No.	Description	Pkg
76457-260	738-0236	97049	7 mL, Omega 1K MWCO	8/pkg
76457-262	738-0235	97050	7 mL, Omega 1K MWCO	2/pkg
76457-264	738-0234	97051	7 mL, Omega 3K MWCO	8/pkg
76457-266	738-0233	97052	7 mL, Omega 3K MWCO	2/pkg
76457-268	738-0232	97053	7 mL, Omega 10K MWCO	8/pkg
76457-270	738-0231	97054	7 mL, Omega 10K MWCO	2/pkg
76457-272	738-0230	97055	7 mL, Omega 30K MWCO	8/pkg
76457-274	738-0229	97056	7 mL, Omega 30K MWCO	2/pkg
76457-276	738-0228	97057	7 mL, Omega 50K MWCO	8/pkg
76457-278	738-0227	97058	7 mL, Omega 50K MWCO	2/pkg
76457-280	738-0226	97059	7 mL, Omega 100K MWCO	8/pkg
76457-282	738-0225	97060	7 mL, Omega 100K MWCO	2/pkg



PALL CORPORATION

Ordering:

vwr.com

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0621 Lit. No. 160226W