

AcroPrep™ Advance 96-Well Filter Plates for Aqueous Filtration

Fast processing with efficient removal of particulates



- ▶ New well geometry results in faster, more uniform filtration rates across the plate with reduced hold-up volume.
- ▶ New outlet tip geometry facilitates direct flow of samples into receiver plate without concerns of cross-contamination.
- ▶ Varied membrane and pore size selection offers efficient particulate removal.
- ▶ Manufactured in accordance with SBS guidelines, allowing plates to be run in manual, semi-automated and automated processes.
- ▶ Smooth top surface and textured window allow for easy labeling on the plates.

Applications

- ▶ General sample prep.
- ▶ Gross fractionation.
- ▶ Cell harvesting.
- ▶ Cell-based assays.

Specifications

Materials of Construction

Filter Media: Supor® (polyethersulfone), glass fiber (borosilicate glass without binder), and PP/PE non-woven (polypropylene/polyethylene) media
Plate Housing: Polypropylene
Lid: Polystyrene

Dimensions

Length: 12.8 cm (5.0 in.)
Width: 8.6 cm (3.4 in.)
Height With Lid: 1.8 cm (0.7 in.) (350 µL only)
Height Without Lid: 350 µL, 1.4 cm (0.6 in.); 1 mL: 3.3 cm (1.3 in.); 2 mL: 4.7 cm (1.9 in.)

Well-Bottom Area

0.25 cm²

Recommended Working Volume

350 µL: ≤ 300 µL
1 mL: ≤ 900 µL
2 mL: ≤ 1.9 mL

Recommended Operating Vacuum

≥ 25.4 cm Hg (10 in. Hg)

Recommended Centrifugal Force

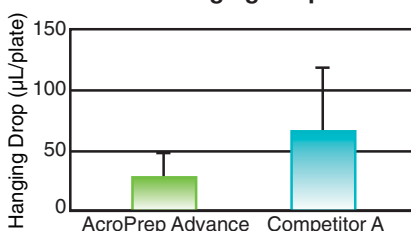
1,500 x g

Typical Vacuum Filtration Performance

Membrane	Processing Time (sec)	Hold-Up Volume (µL)
0.2 µm Supor	9	8
0.45 µm Supor	5	6
1.2 µm Supor	2	5
1.0 µm Glass Fiber	2	19
30-40 µm PP/PE	1	4

Performance

Reduction of Hanging Drops Reduces Potential Cross-Contamination



Hanging drops were measured by evacuating wells of fluid, weighing the plate, and then blotting and re-weighing the plate. Three plates of each type (350 µL well volume) were tested and the averages calculated.

Ordering Information

AcroPrep Advance 96-Well Filter Plates for Aqueous Filtration

Part Number	Description	Pkg
8019	350 µL, 0.2 µm Supor membrane	10/pkg
8029	350 µL, 0.45 µm Supor membrane	10/pkg
8039	350 µL, 1.2 µm Supor membrane	10/pkg
8027	350 µL, 30-40 µm PP/PE non-woven media	10/pkg
8031	350 µL, 1.0 µm glass fiber	10/pkg
8119	1 mL, 0.2 µm Supor membrane	5/pkg
8129	1 mL, 0.45 µm Supor membrane	5/pkg
8130	1 mL, 1.2 µm Supor membrane	5/pkg
8131	1 mL, 1.0 µm glass fiber	5/pkg
8127	1 mL, 30-40 µm PP/PE non-woven media	5/pkg
8231	2 mL, 1.0 µm glass fiber	5/pkg
8227	2 mL, 30-40 µm PP/PE non-woven media	5/pkg

Accessories and Replacement Parts

Part Number	Description	Pkg
5017	Multi-well plate vacuum manifold	1/pkg
5225	Adapter collar for centrifugation	2/pkg
5226	Adapter for PCR receiver plate	2/pkg
5230	Cap mat for incubation	5/pkg
8001	AcroPrep Advance multi-well plate lids	10/pkg