

AcroPrep™ 96-Well Filter Plates, 1 mL

Optimized for a variety of applications requiring larger per well volume processing



- ▶ Plates are constructed of chemically-resistant, biologically-inert polypropylene.
- ▶ Robotics-friendly design has single-piece construction, designed in accordance with the ANSI/SBS X-2004 specifications.
- ▶ A serialized barcode label allows use in automated tracking systems.
- ▶ Proprietary sealing technology individually seals each well, eliminating crosstalk.
- ▶ Available in a variety of membrane configurations.
- ▶ Extended flow directors eliminate splattering and crosstalk of filtrate.

Applications

GHP Membrane

- ▶ Bead-/sorbent-based applications.
- ▶ Protein precipitation.

Glass Fiber Media

- ▶ Lysate clarification.
- ▶ Isolation of RNA, gDNA, and plasmids from culture.

Glass Fiber Over Bio-Inert® Membrane

- ▶ Clarification of cell lysates and tissue homogenates.
- ▶ Applications that require prefiltration.

Mustang® Ion Exchange Membrane

- ▶ Plasmid purification.
- ▶ Ion exchange applications.
- ▶ Oligonucleotide purification.

Omega™ Membrane

- ▶ Concentrate, desalt, and purify DNA, RNA, oligonucleotides, and proteins.
- ▶ Nucleic acid purification.

PTFE Membrane

- ▶ Sample prep using solvents.
- ▶ Aggressive filtration applications.

Supor® Membrane

- ▶ Lysate clearance.
- ▶ Bead retention.

Specifications

Materials of Construction

Filter Media: Bio-Inert (modified low protein-binding nylon), GHP (hydrophilic polypropylene), glass fiber (borosilicate glass without binder), Mustang Q, Mustang S, Omega (modified PES), PTFE (polytetrafluoroethylene), and Supor (PES) membranes
 Plate Housing: Polypropylene
 Lid: Polystyrene

Dimensions

Length: 12.8 cm (5.0 in.)
 Width: 8.6 cm (3.4 in.)
 Height: 3.3 cm (1.3 in.)
 Tip Length: 0.5 cm (0.2 in.)

Well-Bottom Area

0.25 cm²

Maximum Well Volume

1 mL

Recommended Working Volume

900 µL

Recommended Operating Vacuum

25.4 cm Hg (10 in. Hg)

Filtration by Centrifugation

1,000 - 3,000 x g

Typical Hold-Up Volume

(starting volume of 900 µL)
 < 18 µL/well

Ordering Information

AcroPrep 96-Well Filter Plates, 1 mL, Natural

Part Number	Description	Pkg
5052	0.2 µm, GHP membrane	5/pkg
5054	0.45 µm, GHP membrane	5/pkg
5052VM	0.2 µm, GHP membrane, valve mat	5/pkg
5054VM	0.45 µm, GHP membrane, valve mat	5/pkg
5051	1.0 µm, glass fiber media	5/pkg
5053	3.0 µm glass fiber media/0.2 µm Bio-Inert membrane	5/pkg
5062	0.8 µm, Mustang Q membrane	5/pkg
5063	0.8 µm, Mustang S membrane	5/pkg
5055	0.2 µm, PTFE membrane	5/pkg
5056	0.45 µm, PTFE membrane	5/pkg
5065	1.2 µm, Supor membrane, valve mat	5/pkg
5066	3K, Omega membrane	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
5231	Multi-well plate lids	10/pkg

All accessories and replacement parts are compatible with 350 µL AcroPrep 96-well filter plates.