

AcroPrep™ Advance 96-Well Filter Plates for Multiplexing



Superior bead recovery and low levels of false positives ensure assay reproducibility



- ▶ Smooth well wall provides efficient bead recovery, ensuring reproducible results lot after lot.
- ▶ High performance membrane does not trap microspheres in the membrane matrix.
- ▶ In serological assays, Supor® membrane effectively removes IgG complexes, thus reducing non-specific reactivity of the microspheres and reducing false positives.
- ▶ New well design results in faster, more uniform filtration rates across the plate with reduced hold-up volume.
- ▶ New outlet tip geometry minimizes sample leakage and loss during incubation steps so that acquisition times are not affected.
- ▶ Intrinsic plate and membrane properties minimize target loss from non-specific binding.

Applications

- ▶ Bead-based multiplexing assays.
- ▶ Flow cytometry.

Specifications

Materials of Construction

Filter Media: PP/PE non-woven (polypropylene/polyethylene) and Supor (polyethersulfone) membrane
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.)
Height Without Lid: 350 μ L, 1.4 cm (0.6 in.)

Well-Bottom Area

0.25 cm²

Recommended Working Volume

350 μ L: $\leq$ 300 μ L

Recommended Operating Vacuum

$\geq$ 25.4 cm Hg (10 in. Hg)

Recommended Centrifugal Force

1,500 x g

Typical Processing Time

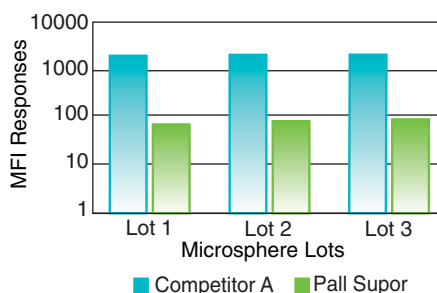
Vacuum: 2 seconds
Centrifuge: < 2 minutes

Typical Hold-Up Volume

Vacuum: 5 μ L
Centrifuge: 3 μ L

Performance

Pall Supor Membrane Reduces the Occurrence of False Positive Results



The serological immunoassays were performed with multiple lots of xMAP microspheres in both the Pall Supor and Competitor A filter plates. The results from these filter plates were read with one Luminex® LX100 Instrument. The responses represent the reactivity toward microspheres without proteins coupled to them to maximize the indications of false positive "non-specific" reactivity by the microspheres. In all lots of microspheres tested, the Pall Supor filter plates exhibited a marked reduction in non-specific reactivity than competitive plates. Data generated in conjunction with Luminex Software, Inc.

Ordering Information

AcroPrep Advance 96-Well Filter Plates for Multiplexing

Part Number	Description	Pkg
8019	350 μ L, 0.2 μ m Supor membrane	10/pkg
8029	350 μ L, 0.45 μ m Supor membrane	10/pkg
8049	For multiplex assays	10/pkg
8027	30 - 40 μ m PP/PE non-woven media	10/pkg

Accessories and Replacement Parts

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