



Laboratory

## AcroPrep™ 24-well Filter Plates With Supor® Membrane

### Description

The Pall AcroPrep 24-well filter plates use high performing Supor membrane 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 membrane found in other Pall device formats. Researchers can confidently incorporate these plates into their workflow without costly and time-consuming membrane evaluations.

### The Supor Advantage

Supor is a low protein binding polyethersulfone (PES) membrane that is optimized for biological, pharmaceutical, and sterilizing filtration requirements. Supor membrane is low protein binding so it is an excellent choice for sample recovery. Supor membranes have extensive drug and chemical compatibility, making it ideal for many different applications.

Characteristics of the Supor membrane include:

- Fast filtration with superior flow rates
- High throughputs
- Low protein binding
- Low extractables
- High consistency

### Application Versatility

**Protein Purification:** High performance Supor membrane offers optimal support to retain chromatography sorbents while allowing smooth flow of buffers.

**Lysate Clearance and General Sample Preparation:** Supor membrane is ideal for particulate removal or lysate clearance prior to downstream analysis or subsequent purifications.



**Multiplexing Assays:** These high-performance membranes do not trap microspheres in the membrane matrix, ensuring superior bead recovery and reducing false positives.

**Aqueous Filtration:** The broad drug and chemical compatibility of the Supor membrane make it ideal for filtering aqueous solutions that require collections, separation, or removal of contaminants.

### AcroPrep 24-Well Filter Plate Features

- Receiver plate and lid are included
- 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 1-2004 through ANSI/SLAS 6-2004
- Vacuum compatible – Compatible with all popular vacuum and positive pressure manifolds
- Centrifugation – Suitable for centrifugation with compatible rotors
- Gamma irradiated and Individually bagged for ease-of-use

## Applications

- Aqueous filtration
- Chromatography screening
- General sample preparation
- Lysate clarification
- Multiplexing assays
- Mycoplasma reduction
- Protein purification
- Sterile filtration

## Specifications

### Materials of Construction

#### Filter Media

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 receiver plate): 7.5 cm (2.97 in.)

Height (Without receiver plate): 3.9 cm (1.5 in.)

#### Well-Bottom Area

1.6 cm<sup>2</sup> (0.24 in<sup>2</sup>)

#### Recommended Working Volume

7 mL for vacuum

6 mL for centrifugation

#### Recommended Operating Vacuum

≥ 38 cm Hg (15 in. Hg)

#### Recommended Centrifugal Force

1,500 x g

#### Recommended Positive Pressure

20 psi

#### Typical Hold Up Volume

Membrane	Centrifuge (1500 x g)	Vacuum (15 in. Hg)	Positive Pressure (20 psi)
Supor	63 µL	78 µL	35 µL

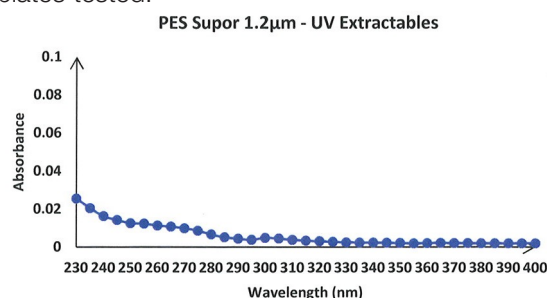
## Typical Time to Process

Supor Membrane Pore Size	Centrifuge* (1500 x g)	Vacuum (15 in. Hg)	Positive Pressure (20 psi)
0.1 µm	12	2	3
0.45 µm	< 10	< 1	5
0.8 µm	< 10	< 1	2
1.2 µm	< 10	< 1	< 1
5 µm	< 10	< 1	< 1

\*Centrifuge was set for 10 mins. Actual processing time will vary with sample characteristics.

## UV Extractables

24-well filter plates with 1.2 µm Supor membrane were scanned at 230 – 400 nm to assess the presence of any UV extractables. The figure below shows that there was no significant absorbance which was seen in all the filter plates tested.



## Ordering Information


Fisher Scientific Part No.	Pall Part No.	Description	Pkg
17399471	97029	7 mL, 0.1 µm Supor	8/pkg
17309481	97030	7 mL, 0.1 µm Supor	2/pkg
17319481	97031	7 mL, 0.45 µm Supor	8/pkg
17329481	97032	7 mL, 0.45 µm Supor	2/pkg
17339481	97033	7 mL, 0.8 µm Supor	8/pkg
17349481	97034	7 mL, 0.8 µm Supor	2/pkg
17359481	97035	7 mL, 1.2 µm Supor	8/pkg
17369481	97036	7 mL, 1.2 µm Supor	2/pkg
17379481	97047	7 mL, 5 µm Supor	8/pkg
17389481	97048	7 mL, 5 µm Supor	2/pkg
17319501	97061	7 mL, 30-40 µm, PP/PE	8/pkg
17329501	97062	7 mL, 30-40 µm, PP/PE	2/pkg
17174651	97017	7 mL, 0.2 µm Supor EKV	8/pkg
17194651	97027	7 mL, 0.2 µm Supor EKV	2/pkg

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