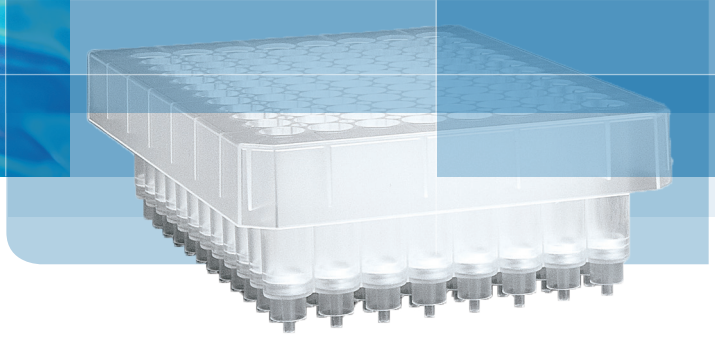


Empore™

96-Well Solid Phase Extraction Plates

Filter Plate

General Information

Empore™ 96-Well Filter Plates consist of a proprietary graded density polypropylene depth filter. This plate provides an excellent media for trapping visible particulates from samples in the 96-well plate format, while maintaining excellent flow characteristics. Sample volumes, solvent type and condition may be varied for specific applications.

Product Characteristics

Filtration Specifications*	98 % Removal of particles ≥ 10 µm
Well Volume	1.2 ml for standard well plates 2.5 ml for deep well plates
Filter diameter	5.5 mm
Composition	Polypropylene

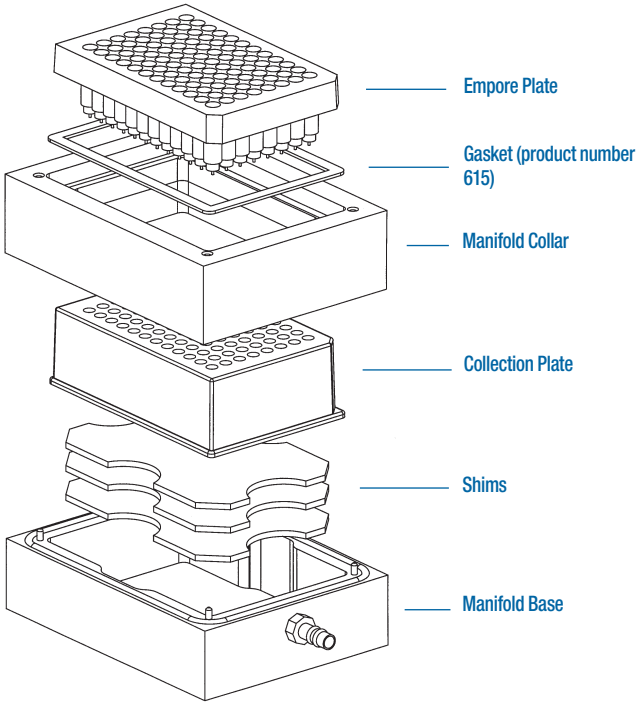
**Based on data generated in an internal laboratory using standardized particles.*

Product Information

The Empore 96-Well Filter Plates are available in a standard well, 1.2 ml volume size (product number 6065) and a deep well, 2.5 ml volume size (product number 6360). If sample or reagent volumes exceed the volume of the well, multiple aliquots of solution may be used.

Empore™ Vacuum Manifold

(Product-Number 610)



Instructions For Use
Sample Preparation Method

1. Place one volume of plasma or serum into each well of a 96-well collection plate.
2. Add 3 to 4 volumes of acetonitrile or methanol to precipitate the proteins.
3. Tightly cover the plate and vortex to mix.
4. Place an empty 96-well 1 ml collection plate into the Empore Manifold System.
5. Adjust the height of the collection plate to the Empore Filter Plate with the provided shims so that the tips of the collars nest just inside the collection plate.
6. Transfer the precipitated samples into the corresponding wells of the Empore Filter Plate. Apply vacuum using a vacuum setting > 15 kPa (0.15 bar).

Note: *Centrifugation may also be used to draw liquids through the filter plate.*

CDS Analytical

Manifold Assembly Considerations

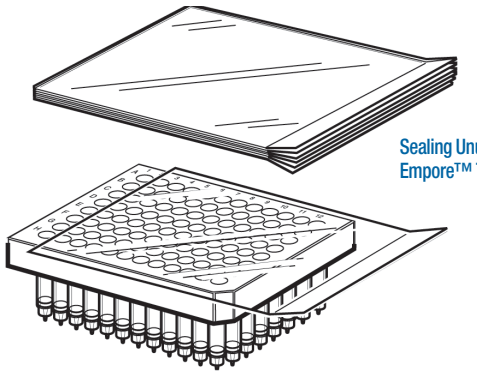
- Check collection plate compatibility to assure the Empore plate nozzle/collar will fit inside collection well.
- Use the shims enclosed with the Empore™ Vacuum Manifold System to adjust the collection plate height to ensure a good seal. The nozzles of the Empore™ plate should just fit into the top of the well of the collection plate. The vacuum will compress the neoprene gasket and further lower the nozzle into the collection plate.
- Seal empty wells with Empore™ Sealing Tape Pads (product number 660) prior to applying vacuum to maintain uniform vacuum and to help prevent contamination of unused wells.

Sample Collection Consideration

Certain brands of 96-well collection plates will accommodate the tip collars of the Empore™ Filter Plate. As the vacuum is engaged the plate will lower slightly which creates a secure seal around the plate edges by compressing the soft gasket of the Empore™ Vacuum Manifold. The Empore plate manifold collars will seat into the collection devices, helping further prevent the possibility of cross-contamination.

Empore Sealing Tape Pads (product number 660) can be used to cover unused wells during vacuum filtration. Use a clean sheet each time for best sealing.

Note: *These sheets are not recommended for sealing collection plates prior to sample injection because the adhesive may interfere with analysis.*



Sealing Unused Wells with Empore™ Tape Pad

Disclaimer:

All statements, technical information and recommendations herein are based on our tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. Before using or specifying the product, user shall determine the suitability of the product for intended use. All questions of warranty and liability relating to this product are governed by the terms of the sale subject where applicable to the prevailing law.

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