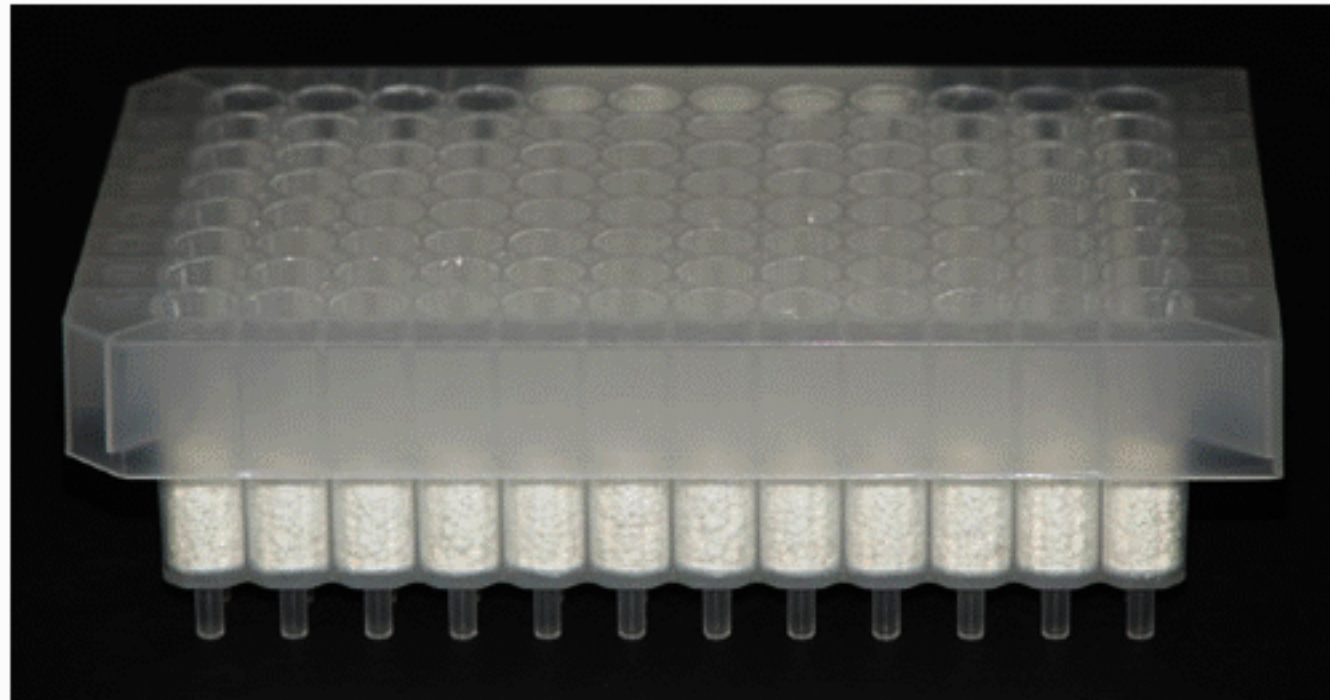


Additional Solid Phase Extraction (SPE) Plates



Advantage™ Diatomaceous Filter Plates

- Available in 1mL and 2mL Plates
- pH 1-13.
- No Pre-Treatment of the Bed is Necessary.
- Packed with Flux Calcinated Diatomaceous Earth.
- Compatible with all 96-Well Vacuum Manifolds

Application: Allows a high throughput alternative to traditional liquid-liquid extraction techniques. Eliminates steps like mixing, centrifugation and organic phase separation. Large surface area. Accelerated solvent extraction.

Application Procedure:

- Apply aqueous sample. (Prepare a sample (e.g. plasma), and internal standard in a buffer solution. Adjust the pH.)
- Add this aqueous mixture to the filter plates and allow it to partition by gravity for up to 5 minutes.
- Add an organic solvent to the wells. The analyte will partition from the adsorbed aqueous phase into the organic solvent as this solvent slowly flows through the particle bed under gravity.
- Collect the organic eluant.
- You can do a second addition of the organic solvent at this time if you so desire.
- Evaporate to dryness the eluants.
- Reconstitute.
- Inject

Advantage™ Diatomaceous Filter Plates

<u>Cat. No.</u>	<u>Description</u>
96160-1	1mL Diatomaceous Plate, Each
96160-5	1mL Diatomaceous Plate, 5/Pkg
96260-1	2mL Diatomaceous Plate, Each
96260-5	2mL Diatomaceous Plate, 5/Pkg

Drug Discovery Filter Plates

Low Biomolecule Binding

Hydrophobic Filter Plates

Hydrophobic Polypropylene

- Low Protein Binding
- General Filtration

Hydrophobic PTFE

- High Protein Binding
- Good for clarification of non-aqueous samples

<u>Cat. No.</u>	<u>Description</u>
96122-10	1mL Hydrophobic PP, 0.20µm 10/Pkg
96222-10	2mL Hydrophobic PP, 0.20µm 10/Pkg
96154-10	1mL Hydrophobic PP, 0.45µm 10/Pkg
96254-10	2mL Hydrophobic PP, 0.45µm 10/Pkg
96132-10	1mL PTFE, .020µm, 10/Pkg
96232-10	2mL PTFE, .020µm, 10/Pkg
961345-10	1mL PTFE, .045µm, 10/Pkg
962345-10	2mL PTFE, .045µm, 10/Pkg

High Molecular Binding

- Cell Screening
- Plasma or DNA analysis
- High Throughput Labs

<u>Cat. No.</u>	<u>Description</u>
43100-10	1mL Glass Fiber, 10/Pkg
62100-10	1mL Nitrocellulose w/Polypropylene Pre-filter, 10/Pkg

Molecular Separations (MWCO)

<u>Cat. No.</u>	<u>Description</u>
96910-10	1mL MWCO, 10k w/Regenerated Cellulose, 10/Pkg
96930-10	1mL MWCO, 30k w/Regenerated Cellulose, 10/Pkg
96274-10	2mL MWCO, 10k w/Regenerated Cellulose, 10/Pkg
96284-10	2mL MWCO, 30k w/Regenerated Cellulose, 10/Pkg

General Filtration Filter Plates

- After SPE
- Dilute and Shoot
- Use prior to LCMS & Microarraying
- Filtration of Tissue Culture Media, Antibiotics, Alcohols & Protein Solutions

Low Protein Binding - Sample in Solvent

<u>Cat. No.</u>	<u>Description</u>
96432-10	1mL Hydrophilic PVDF, 0.20µm 10/Pkg
96465-10	2mL Hydrophilic PVDF, 0.20µm 10/Pkg
96832-10	1mL Hydrophilic PVDF, 0.45µm 10/Pkg
96835-10	2mL Hydrophilic PVDF, 0.45µm 10/Pkg
96152-10	1mL Hydrophilic PP, 0.20µm 10/Pkg
96252-10	2mL Hydrophilic PP, 0.20µm 10/Pkg
96155-10	1mL Hydrophilic PP, 0.45µm 10/Pkg
96245-10	2mL Hydrophilic PP, 0.45µm 10/Pkg

General Biological Filtration - Aqueous Sample

<u>Cat. No.</u>	<u>Description</u>
06620-10	1mL Nylon Filter Plate, 0.20µm 10/Pkg
96210-10	2mL Nylon Filter Plate, 0.20µm 10/Pkg
96110-10	1mL Nylon Filter Plate, 0.45µm 10/Pkg
96255-10	2mL Nylon Filter Plate, 0.45µm 10/Pkg