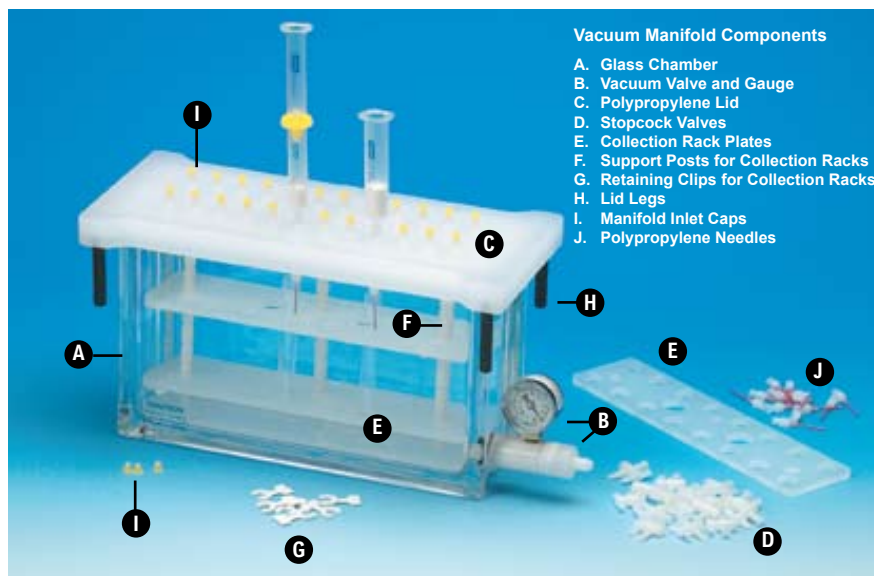


SPE Tube Vacuum Manifolds

- 12-, 16-, and 24-port manifolds
- Glass chamber for visual monitoring
- Accepts standard male luer devices

Vacuum manifolds process multiple samples simultaneously, saving time and effort. Manifold systems come complete with the components listed below. Stainless steel or PTFE needles are available separately.



Vacuum Manifold Components
 A. Glass Chamber
 B. Vacuum Valve and Gauge
 C. Polypropylene Lid
 D. Stopcock Valves
 E. Collection Rack Plates
 F. Support Posts for Collection Racks
 G. Retaining Clips for Collection Racks
 H. Lid Legs
 I. Manifold Inlet Caps
 J. Polypropylene Needles

6278

12-Port Manifold

- For up to 12 samples
- Also includes one waste container



4869

24-Port Manifold

- Process up to 24 samples



4871

12-Port Manifold and Accessories

Description	Qty.	Part No.
12-Port Vacuum Manifold**	ea	210351
<i>Replacement Parts</i>		
Lid, Gaskets, and 12 Stopcocks	ea	212001
Vacuum Gauge, Valve, and Glass Chamber	ea	212304
Collection Rack, 12-Port Size*	ea	212518
Gaskets, 12-Port Size	2	212112
One-Way Stopcocks	12	213112
Waste Container	2	210033

*12-Port Collection Rack includes 3 support posts, bottom plate, 13- and 16mm plates, autosampler vial plate, volumetric plate, and 12 retaining clips.
 **Includes waste container.

24-Port Manifold and Accessories

Description	Qty.	Part No.
24-Port Vacuum Manifold	ea	210224
<i>Replacement Parts</i>		
Lid, Gaskets, and 24 Stopcocks	ea	211224
Vacuum Gauge, Valve, and Glass Chamber	ea	210324
Collection Rack, 24-Port Size†	ea	210424
Gaskets, 16- and 24-Port Size	2	210724
One-Way Stopcocks	24	211524

†16- and 24-Port Collection Racks include 3 support posts, bottom plate, dimple plate, 13- and 16mm plates, and 12 retaining clips.

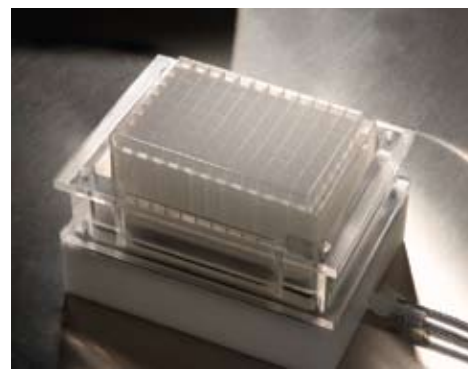
solid phase extraction

96-Well Plate Vacuum Manifold

Process standard 2mL 96 Deep Well Plates via vacuum source. Collect directly into a microplate. Also accommodates 48 4mL SPE columns or 24 6mL SPE columns with appropriate plate adapters.

96-Well Plate Vacuum Manifold

Description	Qty.	Part No.
96-Well Plate Vacuum Manifold	ea	8619194



7435

Manifold Accessories

Replacement Parts for All Size Manifolds

Manifolds come complete with all necessary gauges and accessories. Individual replacement parts may be sold separately.



5951

Replacement Parts for All Size Manifolds

Description	Qty.	Part No.
A. Vacuum Gauge and Valve	ea	212203
B. Retaining Clips for Collections Racks	12	212912
C. Female Luer Inlet	2	212002
Female Luer Inlet	24/pk	212302
D. Male Luer Outlet	2	212120
Male Luer Outlet	24/pk	212320
E. Caps for Lid Inlets	50	211234
F. Lid Legs, Black	4	410510
G. Collection Rack Posts	3	410410

Tygon® Tubing

Tygon® vacuum tubing is heavy walled and flexible. It withstands 29.9" Hg at 75°F (24°C). It is nontoxic, nonoxidizing, and transparent.



3849

Tygon® Vacuum Tubing

Description	Qty.	Part No.
1/8" i.d., 3/8" o.d.	50'	6465
3/16" i.d., 9/16" o.d.	10'	6467
1/4" i.d., 3/4" o.d.	10'	6469
3/8" i.d., 7/8" o.d.*	10'	6472

*Use with Vacuum Gauge and Valve displayed above.

Drying Attachments

Use these special drying lids to direct a gas flow into collection tubes to dry eluents. Barb is 1/4".



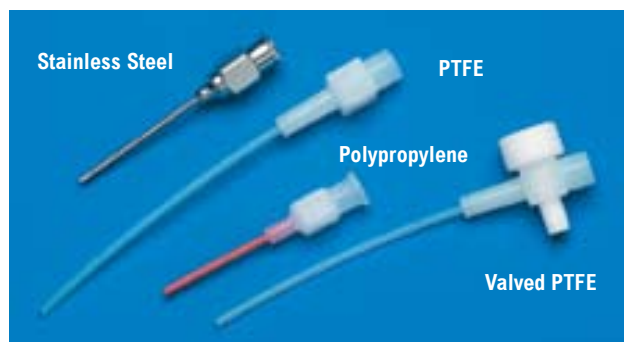
4878

Drying Attachments

Description	Qty.	Part No.
12-Port Drying Attachment	1	212100
16-Port Drying Attachment	1	212117
24-Port Drying Attachment	1	212124

Manifold Needles

PTFE needles are disposable, fit many different manifold types, and eliminate cross contamination by extending into the collection tube. They also provide a complete PTFE fluid path for samples to virtually eliminate extractables. Stainless steel and polypropylene needles are also available.



4874

Manifold Needles

Description	Qty.	Part No.
PTFE Needles	100	412410
PTFE Needles	500	412450
Valved PTFE Needles	25	411525
Valved PTFE Needles	50	411550
Stainless Steel Needles	12	212400
Stainless Steel Needles	16	210816
Stainless Steel Needles	24	210824
Polypropylene Needles	12	212412
Polypropylene Needles	16	210916
Polypropylene Needles	24	210924

Reservoirs and Frits

Select empty reservoirs and loose frits to pack your own custom SPE columns.



6288

Bulk Reservoirs and Frits

Description	Qty.	Part No.
<i>Extract-Clean™ Empty Reservoirs, Polypropylene</i>		
1.5mL	100	210001
4.0mL	100	210104
8.0mL	100	210208
15.0mL	100	210315
25.0mL	100	210425
75.0mL	50	210575
<i>Ultra-Clean™ Empty Reservoirs, Treated Polypropylene</i>		
4.0mL	100	70216
8.0mL	100	70218
8.0mL	1000	70069
<i>Polyethylene Frits for Extract-Clean™ Reservoirs</i>		
For 1.5mL Reservoir	100	211401
For 4.0mL or EV Reservoir	100	211404
For 8.0mL Reservoir	100	211408
For 15.0mL Reservoir	100	211412
For 25.0mL Reservoir	100	211416
For 75.0mL Reservoir	100	211775
<i>PTFE Frits for Ultra-Clean™ Reservoirs</i>		
For 4.0mL Reservoir	100	211494
For 8.0mL Reservoir	100	211498

Empty 96-Well Plates

- Square, 2mL wells
- All-polypropylene construction
- Use to pack your own custom SPE plates



4888

Standard 96-well plate footprint (8x12 wells)

96-Well Plates

Bed Weight	Qty.	Part No.
Empty plate with bottom frit installed, top frit supplied	1	210780

Adapters and Caps

- Inlet caps fit SPE devices as indicated
- Outlet caps fit any column or cartridge with a male luer tip



5952

Caps

Description	Qty.	Part No.
Inlet Caps for Maxi-Clean™ Cartridges	50	211015
Inlet Caps for 1.5mL	50	220000
Inlet Caps for 4.0mL	50	220301
Inlet Caps for 8.0mL	50	220600
Inlet Caps for 15.0mL	50	221200
Inlet Caps for 25.0mL	50	221006
Inlet Caps for 75.0mL	50	227503
Outlet Caps for Male Luers	50	220710

Syringe Adapters fit the tops of SPE columns allowing attachment of any male luer device. This lets you process an Extract-Clean™ column with a syringe or add an empty reservoir to increase sample volume capacity.

Syringe Adapters

Description	Qty.	Part No.
Syringe Adapters for 1.5, 4.0, and 8.0mL Columns	15	210705
Syringe Adapters for 25mL Columns	5	210707
Syringe Adapters for 75mL Columns	5	210709

Bulk SPE Packings

The same high-quality material we use to manufacture our Extract-Clean™ and Maxi-Clean™ SPE products.



4900

Bulk SPE Packings

Description	Qty.	Part No.
<i>Reversed-Phase Adsorbents</i>		
Prevail™ C18 (11%)	100g	211505
C18 (6%)	100g	211502
C18 (17%)	100g	211503
Large Pore C18 (14%)	100g	211542
C8	100g	211504
C2	100g	211506
Phenyl	100g	211522
<i>Normal-Phase Adsorbents</i>		
Silica	100g	211512
Aminopropyl	100g	211516
Diol	100g	211518
Florisil®	227g	5618
Florisil®-PR	227g	5615
Alumina-N	100g	211541
<i>Ion-Exchange</i>		
SCX (Cation Exchange)	100g	211520
SAX (Anion Exchange)	100g	211510
Carbograph 1 SPE 120/400 Mesh	25g	1769