

Solid Phase Extraction (SPE) SPE Vacuum Manifolds

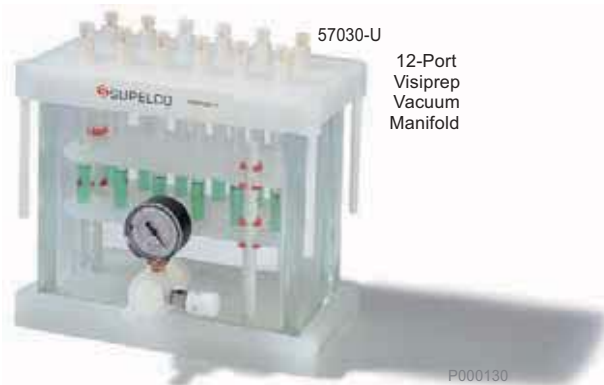
Visiprep SPE Vacuum Manifolds

Visiprep Solid Phase Extraction Vacuum Manifolds allow you to simultaneously process up to 12 or up to 24 SPE tubes. Precise flow control is provided through each SPE tube by rotating the independent, screw-type valves in the cover. This precise control ensures the packing will not dry out in some tubes while others finish draining. A solvent-resistant vacuum bleed gauge and valve offer better sealing and vacuum control, via a screw-type mechanism fitted with a Teflon seal. The stand-alone cover with legs prevents the Teflon solvent guides from resting on the work surface and becoming damaged or contaminated.

The glass basin will not dissolve, fog, or discolor when exposed to solvents, and an optional polypropylene splash guard inserts into the basin to eliminate splashing.

The polypropylene collection vessel rack accommodates autosampler vials, small scintillation vials, 10mm and 16mm test tubes, and 1mL, 2mL, 5mL, and 10mL volumetric flasks. An optional plate for the 12-port model enables you to collect samples in up to ten 20mL scintillation vials.

A Visiprep DL (Disposable Liner) Solid Phase Extraction Vacuum Manifold eliminates the possibility of contamination from one sample to the next in the same manifold port. A disposable Teflon solvent guide runs through each flow control valve. The guide acts as a liner, ensuring that all surfaces that come in contact with the sample can be replaced following each extraction. The guide consists of two parts: a polypropylene luer hub which attaches to the SPE tube and the thin-walled length of Teflon tubing that acts as the liner/solvent guide. The luer hub fits snugly into a matching slot on the flow control valve stem. As the SPE tube is rotated, the valve pinches or releases the liner, stopping or starting flow. Includes 100 liners.



12-Port Visiprep DL (Disposable Liner) Vacuum Manifold



DESCRIPTION	CAT. NO.	PRICE
VISIPREP SOLID PHASE EXTRACTION MANIFOLD		
12-Port Model	57030-U	
24-Port Model	57250-U	
VISIPREP DL (DISPOSABLE LINER) SPE VACUUM MANIFOLD		
12-Port Model	57044	
24-Port Model	57265	

Long Stem Flow Control Valves

Equip alternate valves in your 12-port or 24-port Visiprep vacuum manifold with these long stem flow control valves if you intend to use all ports of the manifold with 12mL, 20mL, or 60mL tubes.

Not for use with DL manifolds.

DESCRIPTION	CAT. NO.	PRICE
Long stem flow control valves (pk. of 6)	57048	



Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Solid Phase Extraction (SPE) SPE Vacuum Manifolds



PlatePrep Vacuum Manifold

The PlatePrep vacuum manifold consists of a clear acrylic top allowing for easier inspection of flow rates during SPE 96-well plate processing. The polypropylene base offers excellent chemical resistance while a single remote vacuum gauge/bleed valve controls flow through all the wells.

Use this compact vacuum manifold in conjunction with a Discovery SPE 96-well plate to process up to 96 samples concurrently. The single valve control, parallel processing capabilities, and uniform flow dynamics allow for easier method development, reduces clutter, and allow for greater reproducibility. Unused wells can be covered and used at a later date.

Starter Kit Includes:

- 1 PlatePrep Vacuum Manifold
- 1 96 Sq. Well Collection Plate, 2mL, PP
- 2 Disposable Reservoir/Waste Trays, PVC
- 1 96 Sq. Well Piercable Cap Mat
- 5 Reagent Reservoirs
- 1 Cluster Tube Rack

DESCRIPTION	QTY.	CAT. NO.	PRICE
Supelco PlatePrep Vacuum Manifold	1	57192-U	
96-Well Plate Starter Kit with PlatePrep Manifold	1	575650-U	
PLATEPREP VACUUM MANIFOLD REPLACEMENT PARTS			
Acrylic Clear Top	1	57193-U	
Polypropylene Base	1	57194-U	
Gasket/Connector Replacement Kit	1	57195-U	
Remote Vacuum Gauge/Bleed Valve Assembly	1	57161-U	
96-WELL SPE ACCESSORY ITEMS			
96 Sq. Well Collection Plates, 0.35mL, PP	50	575651-U	
96 Sq. Well Collection Plates, 1mL, PP	50	575652-U	
96 Sq. Well Collection Plates, 2mL, PP	50	575653-U	
Disposable Reservoir/Waste Tray, PVC	25	575654-U	
96 Sq. Well Piercable Cap Mats	50	575655-U	
Reagent Reservoirs	100	R9259-100EA	
Cluster Tube Rack	1	Z372226-1PAK	



Supelco Preppy Vacuum Manifold

The Preppy manifold is our simplest and most economical manifold. It too enables the analyst to simultaneously prepare up to 12 samples. It consists of a chemical-resistant cover and gasket, a glass basin, a vacuum release vent, 12 individual control valves with knurled tops, and stainless steel solvent guide needles.

Two optional collection racks are available; one holds both 1 and 4mL autosampler vials, and the other holds 12 or 20mL vials. An optional vacuum gauge/bleed valve assembly can be installed to allow precise control of the vacuum used with the Preppy manifold.

DESCRIPTION	CAT. NO.	PRICE
PREPPY VACUUM MANIFOLD		
12-Port Model	57160-U	
PREPPY REPLACEMENT PARTS		
Cover with flow control valves and solvent needle guides	57158-U	
COLLECTION VESSEL RACKS		
For 1 or 4mL vials	57159-U	
For 15 or 20mL vials	57162-U	
ACCESSORIES		
Vacuum Gauge/Bleed Valve Assembly	57161-U	

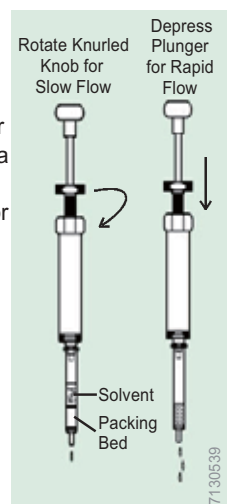
Single SPE Tube Processor

Visi-1 processor provides two rates of flow control

Our Visi-1 Single SPE Tube Processor provides precise flow control through a single 1mL, 3mL, or 6mL SPE tube.

There is no faster, more convenient, or more reliable method for processing one or a few samples.

Simply fill the SPE tube with the appropriate solution, attach it to the Visi-1 processor, and rotate the knurled knob clockwise. The solution will pass through the tube in a slow, uniform rate, consistent with the most reproducible results for SPE. Use the plunger to expel the last drop of solvent from the tip of the tube. Remove the tube from the processor, introduce the next solution, and repeat the process.



DESCRIPTION	CAT. NO.	PRICE
Visi-1 Single SPE Tube Processor	57080-U	

Solid Phase Extraction (SPE) Vacuum Manifold Accessories

Replacement Parts and Optional Components
for Visiprep Manifolds

DESCRIPTION	CAT. NO.	PRICE
FOR 12-PORT MANIFOLD		
Cover, 12 flow control valves, gasket ¹	57031-U	
Cover, 12 DL flow control valves, gasket ²	57029	
Gaskets (pk. of 2)	57033	
Glass basin	57049	
Glass basin, vacuum gauge and bleed valve ³	57034	
Collection rack (base, 3 support rods, center plate, 10mm test tube plate, 12 retaining clips) ³	57037	
Plate for 1/2/5/10mL volumetric flasks ³	57038	
Plate for 16mm test tubes ³	57039	
Plate for 2mL autosampler vials ³	57040-U	
Plate for 20mL scintillation vials	57043	
Splash guard	57045-U	
FOR 24-PORT MANIFOLD		
Cover, 24 flow control valves, gasket ⁴	57251	
Cover, 24 DL flow control valves, gasket ⁵	57266	
Gaskets (pk. of 2)	57254	
Glass basin	57253	
Glass basin, vacuum gauge and bleed valve ⁶	57252	
Collection rack (base, 2 support rods, center plate, 10mm test tube plate, 8 retaining clips) ⁶	57255	
Plate for 16mm test tubes ⁶	57257	
Plate for 2mL autosampler vials ⁶	57258	
FOR 12-PORT OR 24-PORT MANIFOLD		
Flow control valves (pk. of 2) ⁷	57032	
Solvent guide needles, Teflon (pk. of 12) ^{1,8}	57047	
Solvent guide needles, stainless steel (pk. of 12) ⁹	57036	
Disposable liner flow control valves (pk. of 2) ⁹	57028	
Liner guide needles, stainless steel (pk. of 12) ¹⁰	57027	
Disposable valve liners, Teflon (pk. of 100) ⁵	57059	
Vacuum gauge and bleed valve	57035-U	
Retaining clips for collection racks (pk. of 12)	57041	
Test tubes, 10 x 75mm (pk. of 12) ^{1,2,8,10}	57042	

¹ Included with 57030-U

² Included with 57044

³ Included with 57030-U and 57044

⁴ Included with 57250-U

⁵ Included with 57265

⁶ Included with 57250-U and 57265

⁷ For 57030-U and 57250-U

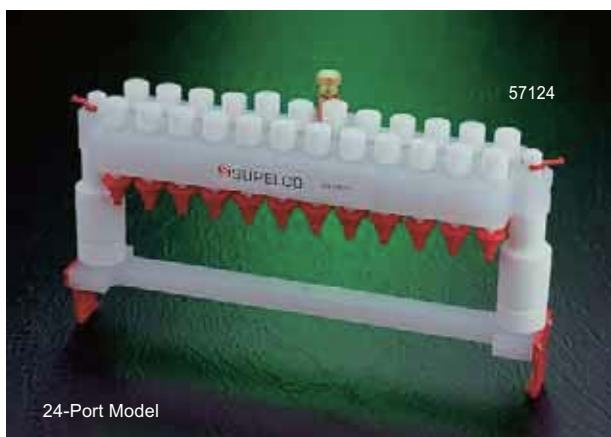
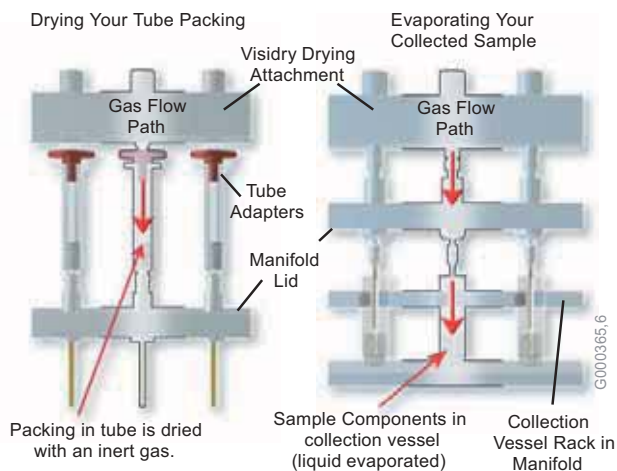
⁸ 2 packages included with 57250-U

⁹ For 57044 and 57265

¹⁰ 2 packages included with 57265



Solid Phase Extraction (SPE) Vacuum Manifold Accessories



24-Port Model

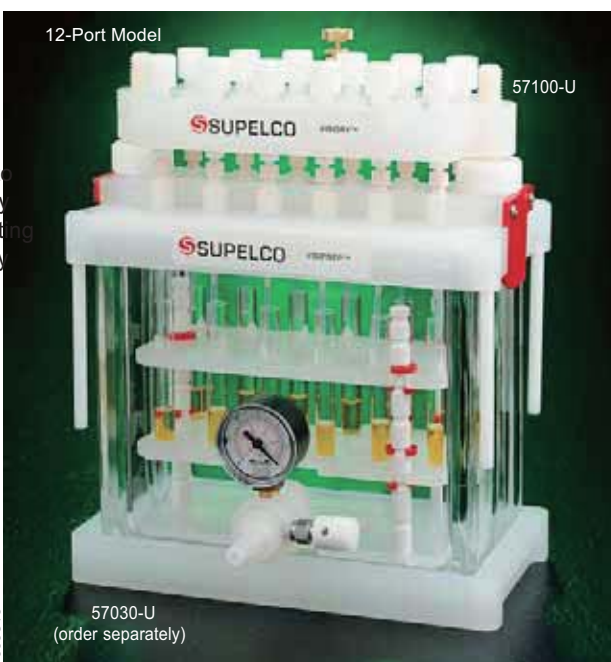
P000110

Visidry Drying Attachment

The Visidry Drying Attachment was designed for our Visiprep Vacuum Manifold (Cat. No. 57100-U also fits our economical Preppy manifold). The Visidry unit installs in minutes, dries up to 12 or up to 24 SPE tubes at one time, and can be used with any inert gas supply. It is also useful for evaporating and concentrating recovered samples. Gas flow to each port can be independently adjusted.

NOTE: The Visidry drying attachment cannot be used to dry 12mL, 20mL, or 60mL SPE tubes.

DESCRIPTION	CAT. NO.	PRICE
VISIDRY DRYING ATTACHMENT		
12-Port Model	57100-U	
24-Port Model	57124	
REPLACEMENT PARTS FOR VISIDRY DRYING ATTACHMENT		
Control knobs (pk. of 2)	57095	
Retaining "C" clips (pk. of 2)	57096	
Female luer plugs (pk. of 12)	57098	



12-Port Model

57100-U

57030-U
(order separately)

P000846

Long Stem Flow Control Knobs

If you have equipped your Visiprep Vacuum Manifold with long stem flow control valves, these control knobs will enable you to attach the Visidry Drying Attachment without removing the long stem valves.

NOTE: These knobs cannot be used with a 24-port manifold being used to process 12mL, 20mL, or 60mL tubes.

DESCRIPTION	CAT. NO.	PRICE
Long Stem Flow Control Knobs (pk. of 6)	57093	

P000120

Sample
Preparation

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

SUPELCO

Solid Phase Extraction (SPE) Vacuum Manifold Accessories

Visiprep Large Volume Samplers for Direct Sample Extraction

For continuous "hands off" direct transfer of multiple liquid samples

A Visiprep large volume sampler enables you to transfer low viscosity samples directly from any sample container to conventional solid phase extraction tubes on a Visiprep SPE vacuum manifold.

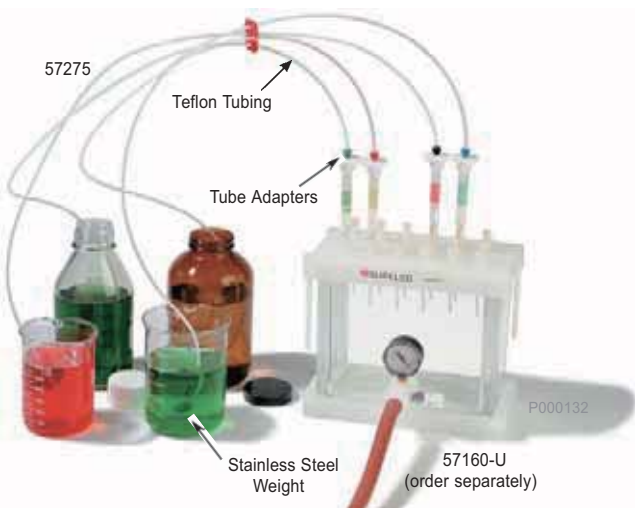
Two samplers are available. One sampler has three tube adapters compatible with 12mL, 20mL, or 60mL polypropylene SPE tubes. Simultaneous extraction of 12 samples on a 12-port Visiprep manifold requires four of these samplers. The other sampler has four tube adapters for 3mL or 6mL SPE tubes. To simultaneously extract 12 samples, three samplers are required.

The samplers consist of 1/8-inch Teflon tubing with a screw fitting at one end and a stainless steel weight at the other end. To use the sampler, feed the weighted end into a sample container until it touches the bottom. Insert the tube adapters into the conditioned SPE tubes on your Visiprep manifold. Turn on the vacuum to the Visiprep manifold and open the manifold flow control valves, and the samples will be delivered to the SPE tubes. The flow rate of sample through each tube can be independently controlled by using the flow control valves. Both the screw fittings and the Teflon tubing on the samplers are color-coded for easy sample identification.

Also fits Preppy SPE Vacuum Manifold.

DESCRIPTION	CAT. NO.	PRICE
VISIPREP LARGE VOLUME SAMPLER		
for 12mL, 20mL, or 60mL SPE tubes (3 adapters)	57272	
for 3mL or 6mL SPE tubes (4 adapters)	57275	
REPLACEMENT PARTS		
1/8" Teflon tubes, color-coded (pk. of 4)	57276	
Nuts and ferrules, color-coded (pk. of 4)	57277	
Stainless steel weights (pk. of 4)	57278	
TUBE ADAPTERS, 1/4-28 THREADS		
For 3mL or 6mL tubes (pk. of 4)	57273-U	
For 12mL, 20mL, or 60mL tubes (pk. of 3)	57274-U	

¹ Also, you must equip alternate manifold valves with long stem flow control knobs to accommodate 12mL, 20mL, or 60mL SPE tubes.



Vacuum Gauge / Bleed Valve Assembly
Install in-line to allow control of vacuum

DESCRIPTION	CAT. NO.	PRICE
Vacuum Gauge / Bleed Valve Assembly	57161-U	



Trap Kit for SPE Vacuum Manifolds

When installed between a Visiprep SPE vacuum manifold and the vacuum source, a Supelco SPE Vacuum Pump Trap collects all liquids that are aspirated through the SPE tubes, preventing contamination of the vacuum pump. The easily assembled kit contains a polypropylene filtering flask, a one-hole rubber stopper, 4" (10cm) of polypropylene tubing and 5' (1.5m) of red rubber vacuum hose.

DESCRIPTION	CAT. NO.	PRICE
SPE Vacuum Pump Trap Kit	57120-U	



SPE Elution Rack

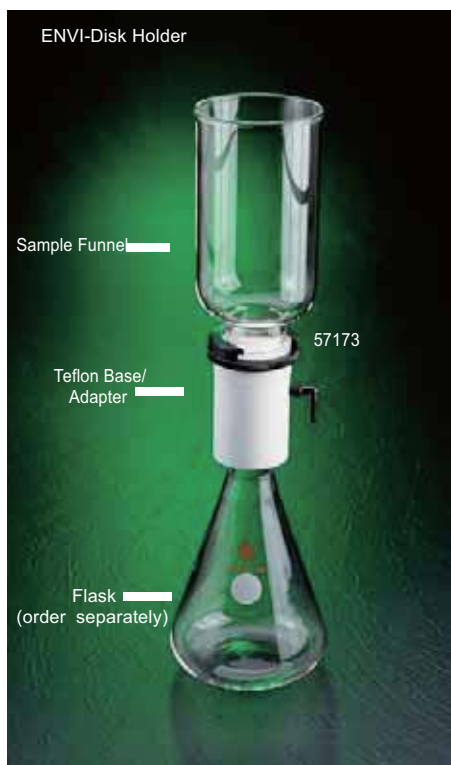
This versatile stand-alone elution rack can be used with a variety of SPE tubes and receiving vessels, for simultaneous gravity feed extraction of up to 12 tubes. When using reversible tubes with luer endfittings, you can attach an empty syringe barrel to the tube to serve as a solvent reservoir. By assembling the plates in appropriate combinations, you can configure the rack to accept the following:

- 1mL, 3mL, or 6mL syringe barrel-type tubes
- Closed cartridge (reversible) tubes
- 5mL or 10mL volumetric flasks
- 2mL or 4mL vials
- Test tubes up to 15mm ID x 10cm

DESCRIPTION	CAT. NO.	PRICE
SPE Elution Rack	21043-U	

Solid Phase Extraction (SPE)

ENVI-Disk Accessories



ENVI-Disk Holder

Use the ENVI-Disk Holder with 47mm ENVI-Disk SPE disks. The unique design of the holder allows each disk to be installed and held firmly in place without wrinkling or tearing. A screw clamp provides uniform pressure on the disk and the sealing surfaces to prevent troublesome leaks – spring-loaded clamps cannot offer the sealing integrity of the ENVI-Disk Holder.

The unit consists of a 1-liter sample funnel, a threaded screw clamp, a Teflon disk support, and a Teflon filter base/adaptor with a vacuum attachment fitting. The filter base fits onto any standard 1-liter flask that has a 40/35 tapered ground glass neck. Use 25 x 250mm test tubes to collect disk eluates. The flask and collection tubes are not included with the holder, but can be purchased separately.

To use the holder, place the base/adaptor on the 1-liter flask and center an ENVI-Disk on the disk support in the base. Loosen the screw clamp to install the funnel, then tighten to secure the unit. Attach the base/adaptor to a vacuum source, and the unit is ready to use.

DESCRIPTION	CAT. NO.	PRICE
ENVI-Disk Holder	57173	
Flask, 1-liter, 40/35 fitting ¹	Z290610-1EA	
Collection Tube, 25 x 250mm ¹	57175	

¹ Order separately – not included with holder.



ENVI-Disk Holder Manifold

The ENVI-Disk Holder Manifold holds one to six ENVI-Disk Holders with flasks, allowing you to simultaneously extract up to six 1-liter samples. Each of the six stations is controlled through an independent flow control valve. These valves are designed to vent the flask to the atmosphere when moved from the open to the closed position. The flow rate is controlled by the needle valve on the manifold.

The unit includes a sturdy polymer base with six stations, six flow control valves, a needle valve, a vacuum gauge, and vacuum tubing. A 1-liter glass bottle in the manifold acts as a trap, to protect the vacuum source in the event of an overflow from one of the sample flasks.

DESCRIPTION	CAT. NO.	PRICE
ENVI-Disk Holder Manifold	57174	



ENVI-Disk Clamp

- Eliminates leaks
- Attaches to any 34/45 tapered flask

When used with a standard 47mm glass filtration apparatus, the ENVI-Disk Clamp creates a better seal, eliminating leaks with SPE extraction disks or when filtering HPLC mobile phase solvents.

Use only with a filtration glassware funnel base that has a removable filtration stage, such as Supelco Mobile Phase Filtration Apparatus 1 (Cat. No. 58061) or 2 (Cat. No. 58062-U), or with a funnel base (Cat. No. 58064 or 58068). It cannot be used with a permanent fritted glass filtration stage or stainless steel holder screen.

DESCRIPTION	CAT. NO.	PRICE
ENVI-Disk Clamp, 47mm assembly	57260-U	
Replacement Teflon stage	57261	

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com

Sample
Preparation

SUPELCO