



Chromatography Vials & Well Plates



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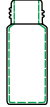
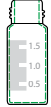
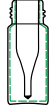
IMEX
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VIALS & PLATES

Popular Vials - Premium Autosampler Vials without the Premium Price

9 mm Screw Thread Vials & Closures (100/pk)

					
	2 mL	2 mL w/Graduated Marking	300 µL w/Fused Insert		
MATERIAL	CLEAR GLASS	AMBER GLASS	CLEAR GLASS	CLEAR GLASS	CLEAR GLASS
PART NO	CTV-1209	CTV-1209A	CTV-1209GS	CTV-1209GSA	CTV-1209-03
CONVENIENCE PACK (CP) INCLUDES VIAL & STANDARD PRE-ASSEMBLED CAP & SEPTA, 100/PK					
PTFE/Silicone (CTC-0952)	CP-0952	CP-0952A	CP-0952GS	CP-0952GSA	CP-0952-03*
PTFE/Silicone w/Slit (CTC-0955)	CP-0955	CP-0955A	CP-0955GS	CP-0955GSA	CP-0955-03*
PTFE/Silicone/PTFE (CTC-0957)	CP-0957	CP-0957A	CP-0957GS	CP-0957GSA	—
PTFE/Rubber (CTC-0956)	CP-0956	CP-0956A	CP-0956GS	CP-0956GSA	—

*Includes vial and **bonded** pre-assembled cap and septa




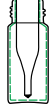


PRE-ASSEMBLED VCLOSURE (100/PK)	
SEPTA	BLACK CAP & SEPTA
PTFE/Silicone	CTC-0952
PTFE/Silicone w/Slit	CTC-0955
PTFE/Silicone/PTFE	CTC-0957
PTFE/Rubber	CTC-0956

TECH TIP

All glass vials available as deactivated, contact Chrom Tech for a quote.

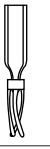





RSA™ Glass Wide Mouth Screw Thread Vials & Closures (9 mm)

					
	2 mL W/GRADUATED MARKING	1.5 mL RECOVERY	1.2 mL MAX RECOVERY MRQ™	300 µL W/ FUSED INSERT	
SEPTA	CLEAR	AMBER	CLEAR	CLEAR	CLEAR
CONVENIENCE PACK (CP) INCLUDES VIAL & STANDARD PRE-ASSEMBLED CAP & SEPTA, 100/PK					
PTFE/Silicone (CTC-0952-AQ)	CP-0952GS-RS	CP-0952GSA-RS	CPH-0952-RS	CPD-0952-RS	CP-0952-03-RS
PTFE/Silicone w/Slit (CTC-0955-AQ)	CP-0955GS-RS	CP-0955GSA-RS	CPH-0955-RS	CPD-0955-RS	CP-0955-03-RS
VIAL ONLY (CTV), 100/PK					
N/A	CTV-1209GS-RS	CTV-1209GSA-RS	CTH-0900-RS	CTD-0900-RS	CTV-0930-RS

TECH TIP

We recommend RSA Low Adsorption Vials if you are concerned with basic and polar analytes adsorbing to your glass vials. RSA Vials limit pH changes in vials for hours, and prevent sample hydrolysis. These vials are not coated or silanized.

Inserts for 9 mm Screw Thread, 11 mm Snap Seal, 11 mm Snap Ring & 11 mm Wide Mouth Crimp Vials (100/pk)

						
PART NO	CTI-9405	TS-410	CTI-9420	CTI-9425	CTI-9525	405342
VOLUME	50 µL	100 µL	200 µL	250 µL	250 µL	300 µL
COLOR	Clear	Clear	Clear	Clear	Natural	Clear
MATERIAL	Glass	Glass	Glass	Glass	Polypropylene	Glass

TECH TIP

These inserts are designed to fit the following wide mouth vials:

- 9 mm Screw Thread
- Snap Seal
- Snap Ring™
- Wide Mouth Crimp

Popular Vials - Premium Autosampler Vials without the Premium Price

11 mm Wide Mouth Crimp Top Vials & Closures (100/pk)



				Insert is pre-assembled in vial at an economical price.
	2 mL	2 mL w/Graduated Marking	2 mL Assembled w/200 µL pulled point insert (1,000/cs)*	
MATERIAL	CLEAR GLASS	AMBER GLASS	CLEAR GLASS	AMBER GLASS
PART NO	CTV-1104	CTV-1104A	CTV-1104GS	CTV-1104GSA
			CLEAR GLASS	
			CTV-1104-02	
			PRE-LOADED VIALS ASSEMBLED W/INSERTS	

11 MM ALUMINUM CLOSURE (1,000/PK)		
PART NO	SEPTA	COLOR
CTC-1108	PTFE/Nat. Rubber	Silver
CTC-1109	PTFE/Seal	Silver
CTC-1109B	PTFE/Seal	Blue
408007	PTFE/Nat. Rubber	Red
515011	PTFE/Silicone	Silver
551011	10 mil PTFE	Poly Crimp

11 mm Snap Seal Vials & Closures (100/pk)

	2 mL	2 mL w/Graduated Marking	300 µL w/ Fused Insert	1.5 mL High Recovery	300 µL	500 µL	700 µL	1.5 mL
MATERIAL	CLEAR GLASS	AMBER GLASS	CLEAR GLASS	AMBER GLASS	CLEAR GLASS	CLEAR GLASS	PE	PP
PART NO	CTV-1108	CTV-1108A	CTV-1108GS	CTV-1108GSA	CTV-1830	CTH-1800	CTV-1203	CTV-1206
							CTV-1211	CTV-1108P

11 mm SNAP TOP CLOSURES, 100/PK

SEPTA	CLEAR	BLUE	GREEN
10 mil PE (1000/pk)	CTC-5200M	—	—
PTFE/Silicone	CTC-1305	CTC-1305B	CTC-1305G
PTFE/Silicone w/slit	CTC-1370	CTC-1370B	CTC-1370G



11 mm Standard Opening Crimp Top Vials (100/PK) & Closures

	2 mL	2 mL w/Graduated Marking	1.5 mL High Recov	2 mL Assembled	2 mL Assembled
MATERIAL	CLEAR GLASS	AMBER GLASS	CLEAR GLASS	AMBER GLASS	CLEAR GLASS
INSERT	N/A	N/A	N/A	N/A	N/A
PART NO	CTV-1100	CTV-1100A	CTV-1100GS	CTV-1100GSA	CTH-1400
	CTV-1100M*				
				200 µL conical	300 µL flat bottom
				CTV-1100-02*	CTV-1100-03*
				PRE-LOADED VIALS ASSEMBLED W/INSERTS	

*1,000/cs

Insert is pre-assembled in vial at an economical price.

Find more pre-loaded assembled vials at chromtech.com or contact technical support for more options.

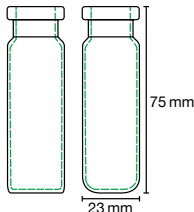
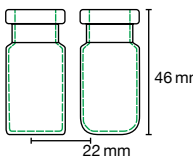
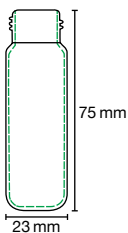
Inserts for 11 mm Standard Opening Crimp & 8-425 Thread Vials (100/pk)

PART NO	CTI-2405	CTI-1410	200238	CTI-2410	CTI-2510	CTI-1510	1062
VOLUME	50 µL	100 µL	100 µL	100 µL	100 µL	100 µL	300 µL
COLOR	Clear	Clear	Clear	Clear	Natural	Natural	Clear
MATERIAL	Glass	Glass	Glass	Glass	Polypropylene	Polypropylene	Glass

TECH TIP

These inserts are designed to fit standard opening vials

Glass Crimp Caps Headspace Vials (20 mm)

20 mm CRIMP CLOSURES, 100/PK							
SEPTA	ALUMINUM SEALS						
Cap w/PTFE/Silicone	408077						
Cap Only, NO Septa	408101						
Septa Only: PTFE/Butyl	408111						
Septa Only: PTFE/Silicone	615020						
VIAL ONLY, 100/pk		20 mL	10 mL	20 mL	10 mL	20 mL	10 mL
		CLEAR	CLEAR	CLEAR	AMBER	CLEAR	AMBER
Chrom Tech Flat Bottom		CTV-2375	CTV-2246	—	—	—	—
Chrom Tech Round Bottom		CTV-2375R	CTV-2246R	CTV-2375T	CTV-2375AT	CTV-2346T	CTV-2346AT

Agilent Vials

AGILENT 9 MM SCREW THREAD VIALS & CLOSURES			
PART NO	DESCRIPTION	MATERIAL	QTY
5182-0714	2 mL, 9 mm screw thread vial	Clear Glass	100/pk
5185-5862	9 mm blue closure	PTFE/Red Sil/PTFE	500/pk
5185-5820	9 mm blue closure	PTFE/Red Sil	500/pk
5182-0719	9 mm red closure	PTFE/Red Sil	100/pk
5182-0543	2 mL, wide, crimp vial, marking spot	Clear Glass	100/pk
5182-0716	2 mL, wide, screw thread, marking spot	Amber Glass	100/pk
5190-7024	9 mm screw thread, bonded	PTFE/Red Sil	100/pk

AGILENT WASH VIALS & CLOSURES			
PART NO	DESCRIPTION	COLOR	QTY
5182-0551	4 mL vial w/cap	Clear	25/pk
07673-40180	Diffusion cap insert for 4 mL vials	Clear	12/pk

AGILENT ERGONOMIC SOLVENT RESERVOIRS	
PART NO	DESCRIPTION
9301-6527	125 mL reservoir, clear
9301-6523	500 mL reservoir, clear, with cap
9301-6525	500 mL reservoir, amber, with cap
9301-6524	1 L reservoir, clear
9301-6528	1 L reservoir, clear, with cap
9301-6526	1 L reservoir, amber



AGILENT HEADSPACE CRIMP VIALS & 20 MM CLOSURES				
PART NO	DESCRIPTION	COLOR	MATERIAL	QTY
5182-0838	10 mL flat bottom vial	Clear	Glass	100/pk
5182-0837	20 mL flat bottom vial	Clear	Glass	100/pk
5183-4477	20 mm crimp closure	Silver	PTFE/Sil	100/pk

AGILENT CRIMPERS AND DECAPPERS	
PART NO	DESCRIPTION
5190-4066	A-Line base for electronic crimpers/decappers
5191-5615	A-Line 20 mm crimper with lithium ion battery
5191-5613	A-Line 20 mm decapper with lithium ion battery
5191-5616	A-Line 11 mm crimper with lithium ion battery
5191-5614	A-Line 11 mm decapper with lithium ion battery

*See website for complete listing



5191-5613



07673-40180

Storage Vials, Caps & Seals, Vial Racks

SCREW CAP VIALS						
CLEAR	QTY	AMBER	QTY	VOLUME	DESCRIPTION	FITS CAPS
408213	1,000/cs	404810	1,000/cs	2 mL	12 x 32 mm	8-425
CTV-4802	1,000/cs	CTV-4802A	1,000/cs	4 mL	15 x 45 mm	13-425
CTD-1760	1,000/cs	CTD-1760A	1,000/cs	8 mL	17 x 60 mm	15-425
CTD-2595	144/cs	—	—	32 mL	25 x 95 mm	24-400

EMPTY OPEN-TOP CAPS*			SEPTA, 100/PK		
PART NO	THREAD	QTY	FITS THREAD	PTFE/SILICONE	PTFE/RUBBER
408010	8-425	1,000/pk	8-425	400581	408246
408032	13-425	100/pk	13-425	408045	—
531015	15-425	100/pk	15-425	606515	240594

*Septa sold separately

VIAL RACKS, 5/PK			
PART NO	DESCRIPTION	WELLS	WELL ID
985800	Fits 12 mm vials, 50 position	5 deep x 10 wide	12.5 mm
868805	Fits 20 mm vials, 36 position	3 deep x 12 wide	23.1 mm



985800

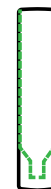
SOLID TOP LINED CAPS, 500/CS			
PART NO	FITS CAPS	MATERIAL	QTY
536008	8-425 mm	PTFE/F217	100/pk
536009	9 mm	PTFE/F217	100/pk
536013	13-425 mm	PTFE/F217	100/pk
410209-T	15-425 mm	PTFE	200/pk
410214-T	24-400	PTFE	100/pk

TECH TIP | What is F217?

F217 is a polyolefin foam extruded between two layers of polyethylene, usually 0.050" thick. F217 allows a closure to be torqued with 20 lbs of foot pressure and once the pressure is "backed off" the foam will come back to almost 100% of its original shape—giving a good, repeated seal.



Shell Vials

SEPTA	1 mL, 8 x 40 mm				2 mL, 12 x 32 mm			4 mL, 15 x 45 mm		
	CLEAR	AMBER	PP	PP 700 µL	CLEAR	AMBER	PP	CLEAR	AMBER	PP
CONVENIENCE PACKS, 100/PK (SHELL VIAL AND PLUG)										
Conical Starburst Plug	CP-SV1	CP-SV1A	CP-SV1P	CP-SV07P	CP-SV2	CP-SV2A	CP-SV2P	CP-SV4	CP-SV4A	CP-SV4P
Flat Starburst Plug	CP-SV1F	—	—	CP-SV07FP	—	—	—	—	—	—
CHROM TECH SHELL VIAL ONLY, 100/PK (NO PLUG)										
N/A (Vial Only)	SVC-8000	SVA-8000	SVP-8000	SVP-8007	SVC-1200	SVA-1200	SVP-1200	SVC-1500	SVA-1500	SVP-1500
CHROM TECH PLUGS ONLY, 100/PK (NO VIAL)										
Conical Starburst Plug	SB-8100				SB-1200			SB-1500		



SVP-8007

8-425 Screw Thread Glass Standard Mouth Vials & Closures

CHROM TECH VIAL ONLY, 100/PK			
			
2 mL		2 mL W/GRADUATED MARKING	
CLEAR	AMBER	CLEAR	AMBER
408213	404810	CTV-1208GS	CTV-1208MSA

SEPTA ONLY & EMPTY CAP FOR 8-425 SCREW THREAD VIALS		
PART NO	SEPTA	QTY
400581	PTFE/Silicone, 0.065"	100/pk
408037	PTFE, 0.010"	1,000/pk
406008	PTFE/Silicone/PTFE, 0.040"	100/pk
531008	Open hole cap (septa sold separately)	1,000/pk
536008	Solid Top (storage) PTFE/F217 lined	100/pk

PRE-ASSEMBLED 8-425 BLACK CLOSURE (CAP & SEPTA)		
PART NO	SEPTA	QTY
CTC-1257	PTFE/Silicone/PTFE, 0.040"	100/pk
CTC-1254	PTFE/Silicone, 0.065"	100/pk

Refer to pg 3 for inserts.

TECH TIP

The 9 mm thread is autosampler compatible and offers a 40% larger opening, simplifying pipetting and other routine functions. We recommend the 9 mm thread for most customers. Some customers prefer 8-425 for storage, due to the extra threading for a better seal.

Ultraseal Pro Thermal Plate Sealer

- ➔ **Throughput**—6 plates per minute
- ➔ **Operator Friendly**—Control remotely through communication protocol or locally on the intuitive touch screen display
- ➔ **Versatile**—Able to use multiple microplates across applications
- ➔ **Reliable**—Engineered with robustness in mind
- ➔ **Compact**—Designed for high throughput labs with minimal benchspace

Ideal for a high throughput production lab

- ➔ **Save Time**—Single roll can seal approximately 4,800 plates
- ➔ **Save Money**—Film roll significantly lowers consumable cost per seal vs individual cut films
- ➔ **Consistency**—Only select users with password access can change seal duration and temp



- ➔ Heat Sealer ambient to 199° C
- ➔ Seals both foils and optical seals
- ➔ Automatically cuts/applies seals
- ➔ Shuttle extends for robot compatibility

ULTRASEAL PRO THERMAL PLATE SEALER

SPECIFICATIONS

Electric	The unit can handle both 110/220 VAC supplies but must be rated to a min. of 6 Amps		
Pneumatic*	The unit requires an air supply with a min. of 80 PSI (5.5 bar) and a max. of 87 PSI (6 bar)		
Sealing plate height	8 - 46 mm	Weight	Approx 26.5 lbs
Power	Multi voltage 110/220 VAC supply	Comms lead	3 m RS232 (3 wire 2, 3, and 5 connection non-twisted)
Dimensions	24.8" L x 7.7" W x 17.7" H (including film roll) 78 mm W x 610 mm L (film roll)	Shuttle extension	Extends an additional 34 mm, offering greater access to plate nest

PART NO	DESCRIPTION	THICKNESS
500290	Ultraseal Pro thermal plate sealer	
96FR-806	Easily pierced aluminum foil heat sealing film roll, 78 mm x 610 m	28 µm
96FR-815	Pierceable and peelable aluminum foil heat seal roll, 78 mm x 610 m	75 µm
96FR-801	Transparent polyester peelable film roll, 78 mm x 500 m	100 µm
96FR-807	Pierceable, peelable aluminum foil film roll, 78 mm x 610 m	38 µm
96FR-811	Clear perforated peelable polyester film roll, 78 mm x 610 m	100 µm

*The air supply for the Ultraseal Pro should be a minimum of 80 PSI (5.5 bar) and a maximum of 87 PSI (6 bar). This is set and controlled by the included fixed air supply regulator, this regulator is preset and sealed and the system should not be operated without this fitted to the main air supply. The supply should be able to provide 70 L/min for the standard Ultraseal Pro or 140 L/min for the gas permeable Ultraseal Pro through a pressure regulator, as there is no regulation of the air within the Ultraseal Pro. Exceeding the maximum pressure may damage the unit. The air supplied must be clean, dry and oil-free. Most air regulators include a water filter but not an oil filter.

Operation Procedure and Optimization

The Ultraseal Pro system has been designed to reliably seal plates of different heights and plastics, using a variety of films, to give a seal with varying properties, these components require different sealing conditions. The quality and strength of the seal created between the sealing films will vary with different conditions. In general, increasing either the sealing temperature or duration of seal, gives a stronger, more complete seal. However over-sealing on a regular basis is not recommended, as applying more heat can cause damage to the plate being sealed. This in turn, would reduce the number of times a particular plate can be resealed. Therefore a balance has to be achieved, that gives an acceptable seal with the minimal plate damage or distortion.

Another optimization factor to be taken into account is the surface area of the plate. A plate with thin raised rims around each tube will have a reduced surface area, compared to a plate with wide raised rims. This would mean that less heat is needed to seal the thin rim plate in comparison to the wide rim. The pressure that the heater plate exerts during sealing is pre-set and cannot be adjusted. Plates that do not have any raised rims are not usually suitable for heat-sealing.

Temperature & Time Setting

The following table gives a guide line as to the sealing time and temperature for different materials.

TEMPERATURE & TIME SETTINGS

PLATE MATERIAL	TEMPERATURE SETTING	TIME SETTING
Polystyrene	145-165° C	3-5 sec
Polypropylene	150-175° C	3-5 sec
Polyethylene	150-170° C	3-5 sec

MS Virgin Polypropylene Collection Plates

- Our unique common wall well design of the **96-6002** allows the highest possible volume to be used while maintaining a round well design for improved cyclonic effect when vortexing.
- The **96-6001NR** is our best selling 1mL round deep well plate. The rimless design makes it ideal to use with our PTFE sealing film (BST-9790). This plate is made of virgin polypropylene and is tested for low extractables.

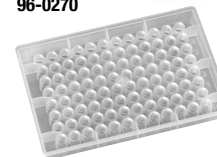
96-6009



96-6002



96-0270



96-6001NR



CHROM TECH POLYPROPYLENE COLLECTION 96-Well Plates

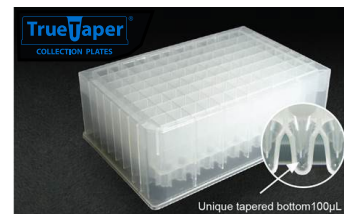
PART NO	VOLUME	WELL FORMAT	WELL BOTTOM	DIAMETER OF WELL	RIMMED	QTY
96-0270	270 µL	Shallow Round	Round—Shallow	7 mm	Yes	100/cs
96-6001	1 mL	Round	U	7 mm	Yes	50/cs
96-6001NR	1 mL	Round	Round—U	7 mm	No	50/cs
96-0001LP*	1.2 mL	Round, Common Wall	Round—U	8.5 mm	Yes	60/cs
96-6002NR	2 mL	Round, Common Wall	Round—U	8.5 mm	No	50/cs
96-6009	2 mL	Square	Pyramid	—	Yes	50/cs

*Low Profile 31.5 mm height

True Taper® Collection Plates

TRUE TAPER COLLECTION PLATES

PART NO	VOLUME	WELL FORMAT	WELL BOTTOM	DIAMETER OF WELL	RIMMED	QTY
96-0001T	1 mL	Round	50 µL True Taper	6.5 mm	No	25/pk
96-0002T	2 mL	Square	100 µL True Taper	—	No	25/pk



No need to adjust your needle height. Our TrueTaper plates maintain the same 45 mm overall height as our standard 1 and 2 mL collection plates.

Greiner Bio-One Plates

GREINER BIO-ONE PLATES

PART NO	VOLUME	WELL FORMAT	WELL BOTTOM	DIAMETER OF WELL	RIMMED	QTY
96-650201	300 µL	Round	Round—U	7 mm	Yes	100/cs
96-655201	300 µL	Chimney	Flat-Bottom	7 mm	No	100/cs
96-655090	340 µL	Chimney	Flat-Bottom	7 mm	No	32/cs
96-0001MB	1 mL	Round	Round	7 mm	No	50/pk

96-650201



96-622090



96-655201



Reservoir Trough Polypropylene Plates

RESERVOIR TROUGH PLATES, POLYPROPYLENE

PART NO	DESCRIPTION	PLATE HEIGHT	QTY
201254-100	86 mL Single cavity reservoir, 96 pyramid base	19 mm	25/cs
201256-100	252 mL max, 12 column reservoir (21 mL/column), pyramid base	44 mm	25/cs
201312-100	292 mL max, 4 column reservoir (73 mL/column), pyramid base	44 mm	25/cs
201244-100	300 mL Single cavity reservoir, 96 pyramid base	44 mm	25/cs
CTL-9600	Universal clear polystyrene plate lid	44 mm	100/cs

Friction Seals, Pierceable Cap Mats

FRICTION SEALS, PIERCEABLE CAP MATS			
PART NO	DESCRIPTION	DIAMETER OF WELL	QTY
96-0662	Pierceable cap mat for 2mL square	—	50/pk
96M-03	96 Round Sealing Silicone Mat	7 mm	10/pk
96M-028S	96 Round Clear Mat w/Coated PTFE/Sil	8 mm	5/pk
96-0663P	Pre-slit Purple Sil/PTFE cap mat for 1 mL TrueTaper Plates	6.5 mm	5/pk
96-0663	Pre-slit Sil/PTFE cap mat for 1 mL TrueTaper Plates	6.5 mm	5/pk

96-0662



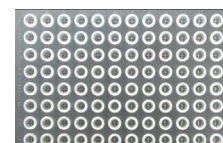
96M-03



96-0663P



96-0663



96-Well Pattern Sealing Film and Tape

96-Well Pattern Blue PTFE Sealing Film (Patented)

- Solvent-free adhesives adhere to polypropylene, polystyrene and polycarbonate materials
- Chemically compatible to aqueous and organic solvents, and resistant to DMSO
- Functional temperature range: -80 °C to 120 °C
- Clear zone above each well is free of adhesive and easily pierceable

96-WELL PATTERN BLUE PTFE SEALING FILM (PATENTED)		
PART NO	DESCRIPTION	QTY
BST-9790	2 mil Blue PTFE 96-Well Pattern Film	100/pk



PTFE sealing film has an adhesive free area around each well so plastic pipette tips and metal probes stay clean.

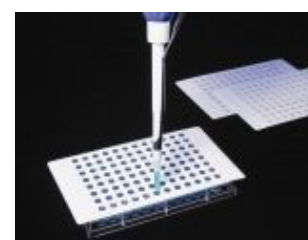
TECH TIP

BST-9790 is the recommended sealing film for trouble-free high-throughput applications.

96-Well Adhesive Free Zone Sealing Film (Patent Pending)

- Clear zones and end tabs facilitate well alignment and accurate positioning
- Inert and chemically resistant
- Functional temperature range -40 °C to 90 °C
- Clear zone above each well is free of adhesive and easily pierceable

96-WELL ADHESIVE FREE ZONE SEALING FILM (PATENT PENDING)		
PART NO	DESCRIPTION	QTY
ZAF-PE-50	Adhesive Free Zone Sealing Film	50/pk

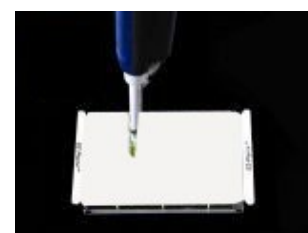


The adhesive-free zone above each well prevents adhesive fouling of the pipet tip or probe, ultimately minimizing the amount of adhesive that comes into contact with the sample.

EZ-Pierce™ Sealing Films

- Easily pierceable with pipet tips or robotic probes
- Functional temperature range -40 °C to 90 °C
- Economic sealing film, adhesive covers wells

EZ-PIERCE SEALING FILMS		
PART NO	DESCRIPTION	QTY
EZP-NL	EZ-Pierce Film, 70 µm thick	100/cs

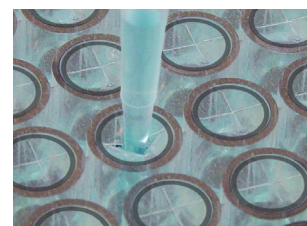


EZ-Pierce Sealing Films

X-Pierce™ Precut Pierceable Sealing Films for Automation

- ➔ Protect samples and limit evaporation, short term
- ➔ Special hairline X-cuts and thin adhesive prevent fouling or occlusion of probes and tips
- ➔ Functional temperature range -40 °C to 90 °C
- ➔ Sealing film reseals for continued sample protection after sampling

X-Pierce™ sealing films are 89 µm thick vinyl with an 18 µm thick adhesive layer, designed for temporary protection from contamination and evaporation for samples in 96-well plates. For long-term sample protection after sampling, a continuous sealing film should be applied as a second layer.



X-Pierce Sealing Films

X-PIERCE PRECUT PIERCEABLE SEALING FILMS

PART NO	DESCRIPTION	QTY
XP-100	X-Pierce Sealing Films, non-sterile	100/pk

Porvair Heat Seals and Foils

All Porvair heat seals have a sealing integrity range of -80° C to 120° C, are resistant to DMSO and TFA as well as most other solvents and will seal Polypropylene plates. For Polystyrene plates, please only use Clear Seal - 5000090. Heat Seals and Foils to be used with raised rim plates and Porvair MiniSeal II.

PORVAIR COLOR-CODED THERMAL SEALS

PART NO	DESCRIPTION	QTY
229571	Peelable 70 µm polyester/aluminum laminate sealing foil—color coded red 125 mm x 78 mm sheets printed with color coding and right side up for ease of use	100/pk
229572	Easily pierced 20 µm PP/PS lacquered aluminum foil—color coded green 125 mm x 78 mm sheets printed with color coding and right side up for ease of use	100/pk
229573	Pierceable/peelable 38 µm lacquered aluminum foil—color coded blue 125 mm x 78 mm sheets printed with color coding and right side up for ease of use	100/pk
229574	Strong 85 µm thick aluminum foil for long term storage—color coded black 125 mm x 78 mm sheets printed with black coding and right side up for ease of use	100/pk
5000090	Sealing film optically clear 75 µm—non peelable, but pierceable 125 mm x 78 mm sheets printed with black coding and right side up for ease of use	100/pk
500010	Sealing film optically clear 105 µm—peelable, but not pierceable 125 mm x 78 mm sheets printed with black coding and right side up for ease of use	100/pk

229571



229572



PORVAIR MINISEAL II SEMI-AUTOMATIC SINGLE PLATE HEAT SEALER

PART NO	DESCRIPTION
500090	MiniSeal II semi-automatic single plate heat sealer 110V / 220V Supplied complete with two plate adapter blocks, plate weight and line cord.
500083	Skirtless plate adapter 96 well
500084	Plate adapter flat top 384 PCR plate

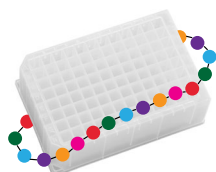


MiniSeal II, Semi-automatic heat applied plate sealing system. For use with thermal seals and raised rim plates.

Are hydrophobic peptides sticking to your plastic collection plates?

Our glass insert plate systems offer a comparable alternative to polymeric well plates!

The Problem



- ✗ Compatibility issues with plastic i.e. hydrophobic peptides sticking to plastic
- ✗ Need 96-Well Plate format for automation

The Solution

- ✓ Glass for sample compatibility
- ✓ Still in a 96-Well Plate format for easy automation
- ✓ Easy to heat and cool samples evenly



Build Your Custom 96-Well Micro Plate System

1. SELECT SYSTEM

Choose between our Topas or Acrylic Butyl Styrene 96-Well Multi-Tier Micro Plate System **OR** 96-Well Aluminum Base Plate System

Multi-Tier System



TOPAS	ACRYLIC BUTYL STYRENE	DESCRIPTION	QTY
96M-12T	96M-12	Base plate	1 Piece
96M-11T	96M-11	Collar	1 Piece
96M-10T	96M-10	Cover	5 Pieces
—	96M-15 ■	Extended height base plate	1 Piece

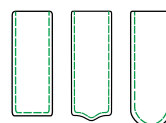
*1.0 mL Insert requires 1 Collar & Base Plate,
1.5 mL Insert requires 2 Collars & Base Plate,
2.0 mL Insert requires 3 Collars & Base Plate

Aluminum System



PART NO	DESCRIPTION	QTY
96AL-12	Solid aluminum, base plate	1 Plate
96AL-14	Vented aluminum, base plate	1 Plate
96AL-10	Aluminum cover for base plate	1 Piece
96-05SC	Stainless steel screws for 0.5 mL	4 Pieces
96-10SC	Stainless steel screws for 1.0 mL	4 Pieces
96-15SC	Stainless steel screws for 1.5 mL	4 Pieces
96-20SC	Stainless steel screws for 2.0 mL	4 Pieces

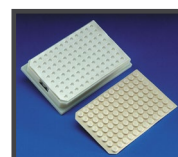
2. SELECT INSERT (96 inserts pre-loaded in plate loader)



FLAT BOTTOM	CONICAL	ROUND BOTTOM	VOLUME
96I-0450F	96I-0450	—	0.5 mL
96I-04100F*	96I-04100	96I-04100R	1.0 mL
96I-04150F*	96I-04150	96I-04150R	1.5 mL
96I-04200F*	96I-04200	96I-04200R	2.0 mL

*Available in bulk cases, just add '-CS' to suffix of part number i.e., 96I-04100F-CS.

3. ADD LINER



Liner locks into the wells to create an inert sample environment

PART NO	DESCRIPTION
96M-16	Molded PTFE/Silicone liner, 96 Plugs, 5/pk

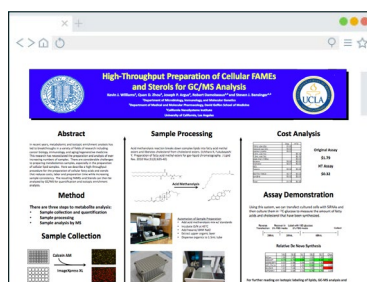
TECH TIP

96M-15 was designed with a solid base and extended posts to better support 1.5 mL inserts. *Compatible with insert plate loaders. Inserts extend above the height of the base.*



Application: High-Throughput Preparation of Cellular FAMES and Sterols for GC/MS Analysis

Here we describe a high-throughput procedure for the preparation of cellular fatty acids and sterols that reduces costs, labor and preparation time while increasing sample consistency.



<https://info.chromtech.com/hubfs/UCLA.pdf>

Visit the link above to view the UCLA study on High Throughput Preparation of Cellular FAMES and Sterols for GC/MS Analysis.

Cerex Positive Pressure Processor for Sample Preparation

- All positions are individually restricted to provide even pressure to each column
Even flow can be maintained if you are using one, some, or all positions
- Self-adjusts to any plate height—accommodates all commercial 96-well plates

CEREX® SYSTEM 96

PART NO	DESCRIPTION
288-0001	Cerex System 96 Processor

REPLACEMENT COMPONENT

278-0035	Column Seal for 96-Place Systems, Removable
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**Includes 1 waste bin, 3 waste bin inserts, gas supply adapter and 48-place sealing gasket. SPE rack and collection rack must be ordered separately.*

288-0001



Porvair Evaporators

PORVAIR EVAPORATORS

ULTRAVAP MISTRAL™



- 15 password protected methods
- Each method has up to five timed stages
- Each timed stage controls:
 - Gas temperature
 - Gas flow rate
 - Needle depth
- Robot Compatible

ULTRAVAP LEVANTE™



- Five password protected methods
- Each method has up to three timed stages
- Each timed stage controls:
 - Gas temperature
 - Gas flow rate
 - Needle depth
- Optional duct adapter for fume management

MINIVAP™



- Manual control of the needle depth, gas temperature, and flow rate
- Changeable head to accommodate 24, 48, 96 straight or 96 spiral needles

PORVAIR EVAPORATORS & ACCESSORIES

ULTRAVAP MISTRAL	ULTRAVAP LEVANTE	MINIVAP	DESCRIPTION
500149	500226	229206	Evaporator without a head (head required, sold separately)
500193	—	—	Mistral CAN bus interface cable with RS232 initiator and CAN terminator plugs
Included	500194	—	Duct Adapter/Fume extractor fan complete plug-in assy with housing

ACCESSORIES & SPARES FOR ULTRAVAP & MINIVAP EVAPORATORS

229072	96 Needle Head with spiral needles
229036	96 Needle Head with straight needles
229073	384 Needle Head with straight needles (for Ultravap models only)
229410	48 Needle Head with straight needles for use with HPLC vials (vial adapter required, 500109)
500109	48 Position Vial Adapter, fits 12 x 32 mm vials (2 mL)
229409	24 Needle Head with straight needles
229048	Gasket for needle manifold

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