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WebSeal
SYSTEM ™
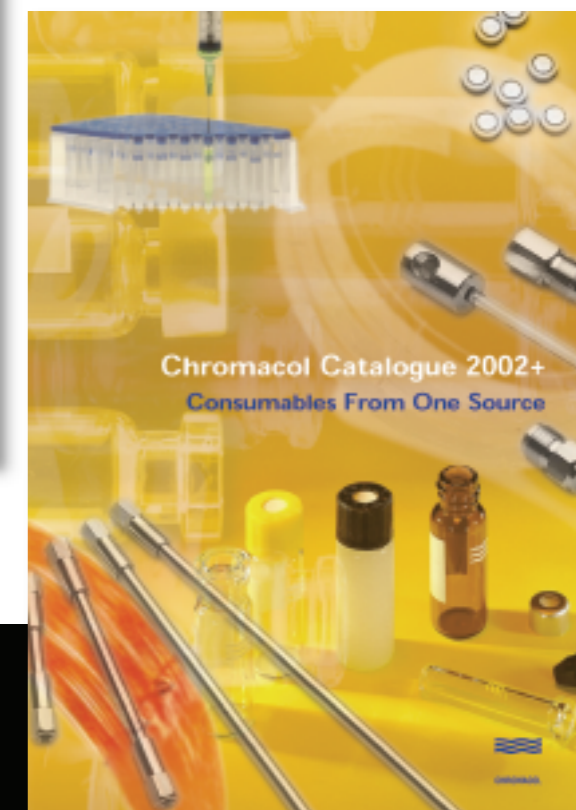
www.chromacol.com

CHROMACOL

WebSeal SYSTEM™

WebSeal system — a comprehensive range of 96 well micro titer plates with glass inserts and a silicone/PTFE coated sealing mat.

This system provides the analyst with 96 completely inert chambers and reduces the risk of cross-contamination from well to well when removing the cover.

The WebSeal system is made to a standard 96 well micro titer plate footprint and are compatible with all autosamplers currently using 96 well configurations.

WebSeal silicone/PTFE coated sealing mats, made from the highest grade silicone has a working temperature from -80°C to 200°C. Capable of resealing after multiple injections, the user will not have to replace the cover numerous times and risk cross-contamination or spillage. A unique cutting tool is available to remove each individual vial with the silicone/PTFE coated plug in place for further analysis without the need for sample transfer and potential sample loss.

Available in a variety of sizes from 500µL to 1.5mL using clear, amber or PTFE vials, WebSeal system has the greatest product offering for the analyst working in Life Science, HTS and Combinatorial Chemistry labs. This system also allows the user the flexibility to use multiple 8mm crimp or snap cap seals.

CONSUMABLES FOR
CTC Autosamplers

CHROMACOL

Chromacol Catalogue 2002+
Consumables From One Source

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WebSeal Sealing Mat

Physical Properties and Resistance

	Low	High
Operating Temperature	-80°C	260°C
Specific Gravity	1.15	
Shore Hardness	57	
Tear Strength	Fair	

Sterilization

WebSeal may be sterilized but is produced in a chromatographically clean form and is suitable for use straight from the packet

Property	Method	Comment
Sterilization methods	Autoclave recommended	160°C
	Chemical	All common disinfectants may be suitable
	Radiation	Gamma

MicroMat CLR

Evaporation Study

Evaporation study was performed using water, acetonitrile and DMSO at two different volumes (100µL and 200µL) at three different temperatures (28°C, 4°C and -20°C for 24 hours). Plates were filled with solvent, weighed then sealed with MicroMat CLR. The sealed plates were incubated at their respective temperatures for 24 hours. Mats were removed and the plates were reweighed to determine evaporation of sample content.

Results

| Temperature	Solvent	% loss after 24 hours
-20°C	Water	0.15%
	Acetonitrile	12.0%
	DMSO	-1.1%
4°C	Water	0.4%
	Acetonitrile	19.2%
	DMSO	0.8%
20°C	Water	1.0%
	Acetonitrile	34.3%
	DMSO	-1.2%

WebSeal Sealing Mat
Compatibility Chart

Manufacturer	96 Round Silicone	96 Round Silicone/PTFE	96 Round PTFE for DMSO	96 Square Silicone	96 Square Silicone/PTFE	384 Square Silicone	384 Square Silicone/PTFE
Abgene	WSM-2E	WSM-2	WSM-2FBF				
CoStar	WSM-2FBE	WSM-2FB WSM-2	WSM-2FBF			WSM-5E	WSM-5
Greiner	WSM-2FBE WSM-2E	WSM-2FB WSM-2	WSM-2FBF	WSM-3SXE	WSM-3S	WSM-5E	WSM-5
Matrix	WSM-2FBE WSM-2E	WSM-2FB WSM-2		WSM-3SXE	WSM-3S		
NUNC	WSM-7E			WSM-3SXE	WSM-3S	WSM-5E	WSM-5
Porvair	WSM-2FBE WSM-2E	WSM-2FB WSM-2		WSM-3SXE	WSM-3S	WSM-5E	WSM-5
Whatman	WSM-2FBE WSM-2E	WSM-2		WSM-3SXE	WSM-3S		

Products for High Throughput Screening, Combinatorial Chemistry, Life Science & HPLC
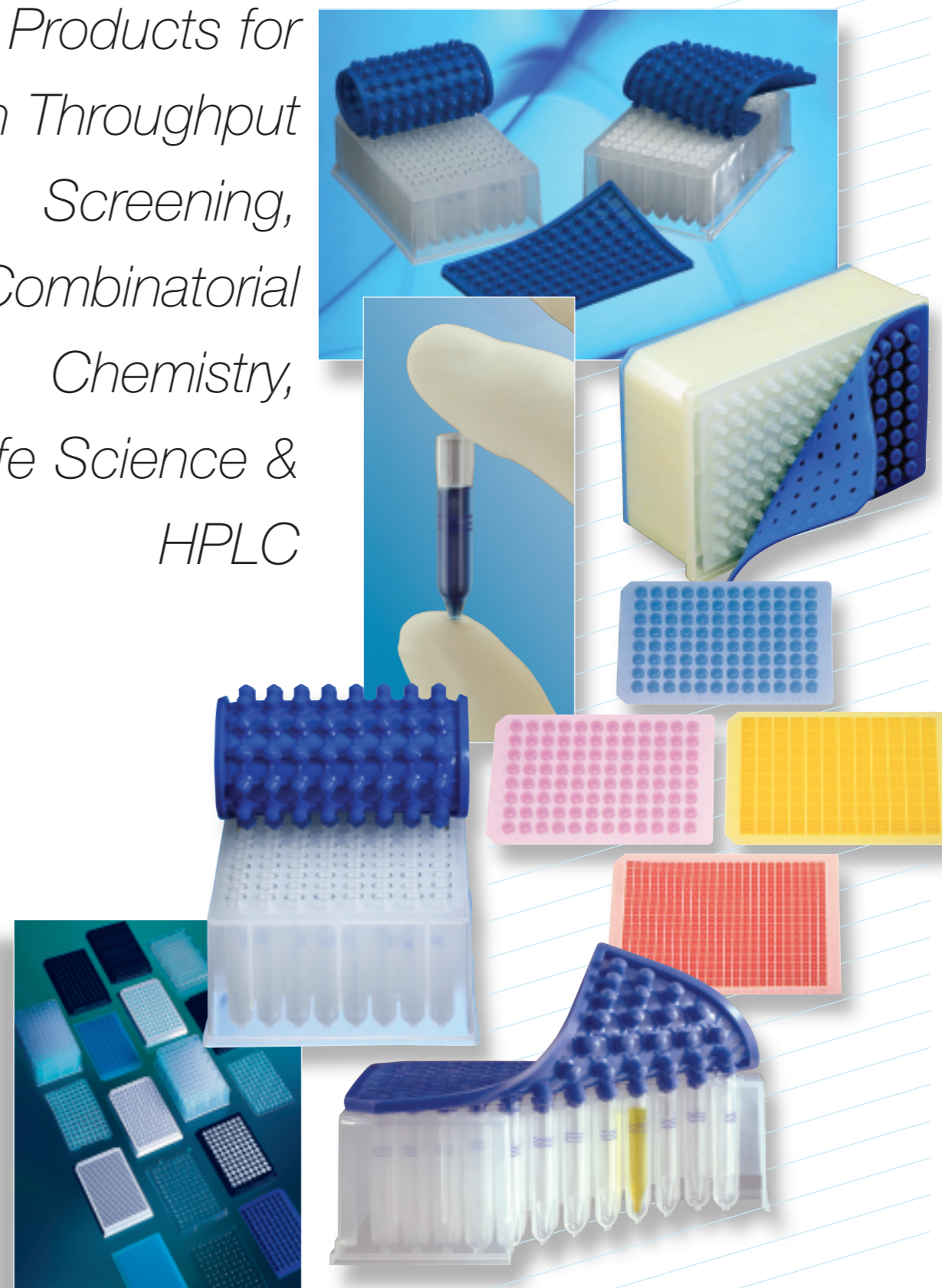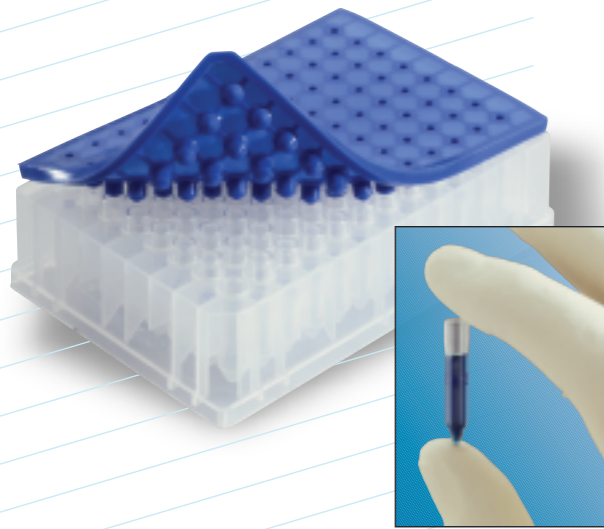
500µL WebSeal Kit

Mid-depth polypropylene 96 well micro titer plate, pre-inserted 500µL glass vials and the WebSeal silicone/PTFE sealing mats.

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
Kit		
05-MTPVC-96	96 well micro titer plate with 500µL glass vials and sealing mats	5/pk
Accessories		
05-MTVC-96	500µL clear glass replacement vial for 05-MTPVC-96 kit	500/pk
05-MTP-96	96 well mid-depth polypropylene plate	5/pk
WSM-1	96 round well silicone/PTFE sealing mat	5/pk
WSM-1X	96 round well silicone/PTFE sealing mat pre-slit	5/pk

700µL WebSeal Kit

700µL kits available with clear, amber and PTFE vials pre-inserted into 96 well polypropylene micro titer plates. Kit includes WebSeal silicone/PTFE sealing mats and a cutting tool for vial removal.

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
Kit		
MTPVC-96	96 well plate, 700µL vials, sealing mat & cutting tool	5/pk
MTPVC(A)-96	96 well plate, 700µL amber vials, sealing mat & cutting tool	5/pk
MTPTC-96	96 well plate, 700µL PTFE vials, sealing mat & cutting tool	5/pk
Accessories		
1-MTV-96	700µL clear glass vials for MTPVC-96 kit	500/pk
1-MTV(A)-96	700µL amber glass vials for MTPVC(A)-96 kit	500/pk
1-MTTV-96	700µL PTFE vials for MTPTC-96 kit	100/pk
MTP-96	96 well PP plate for 700µL vials	5/pk
WSM-1	WebSeal silicone/PTFE sealing mat	5/pk
WSM-1X	WebSeal silicone/PTFE sealing mat pre-slit	5/pk
MTPC-1	Cutting Tool	each

Plate + Glass Coated Microplates

- Light weight, precision molded, cost effective alternative to solid glass plates
- Polypropylene microplates coated with 200nm thick layer of silicone dioxide
- Chemically resistant with the qualities of glass and advantages of polypropylene
- Operating temperatures of -80°C to 80°C

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
CLS-400042	96 'U' deep well design 1mL glass coated PP plate	10/pk
CLS-400046	96 flat well design 2mL glass coated PP plate	10/pk
CLS-400058	96 'V' design 190µL glass coated PP plate	10/pk
CLS-400156	384 Square-rounded 180µL glass coated PP plate	5/pk
CLS-400054	96 'U' well design 250µL glass coated PP plate	10/pk
CLS-400062	96 well flat bottom 300µL glass coated PP plate	10/pk
CLS-400150	384 square/rounded well design 90µL glass coated PP plate	10/pk

Micro Titer Plates from NUNC

- Compatible with robotic plate handling systems
- Available Hi Bind and available black/white/clear

WebSeal System

PART NO.	DESCRIPTION (White Only Shown)	PK SIZE
CLS-136102	96 well flat bottom cell culture treated, sterile, w/lid 0.4mL	10/pk
CLS-236108	96 well flat bottom w/o lid, PS 0.4mL	10/pk
CLS-164610	384 well plate cell culture treated, sterile, w/lid PS 120µL	10/pk
CLS-264572	384 well plate w/o lid, PS, 120µL	10/pk
CLS-267350	96 well round bottom PP, 0.5mL	10/pk
CLS-436110	96 well flat bottom w/o lid MaxiSorp, PS, 400µL	10/pk
CLS-460372	384 well plate w/o lid MaxiSorp, PS, 12µL	10/pk

Micro Titer Plates

- Chemically and thermally resistant
- SBS standard footprint design
- Operating temperatures from -80°C to 80°C
- Compatible with robotic plate handling systems

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
CLS-500811	96 'U' well design 250µL PP plate	100/cs
CLS-500815	96 deep 'U' well design 1mL PP plate	100/cs
CLS-500817	96 well flat bottom design 2mL PP plate	100/cs
CLS-500807	96 well flat bottom design PS plate	100/cs
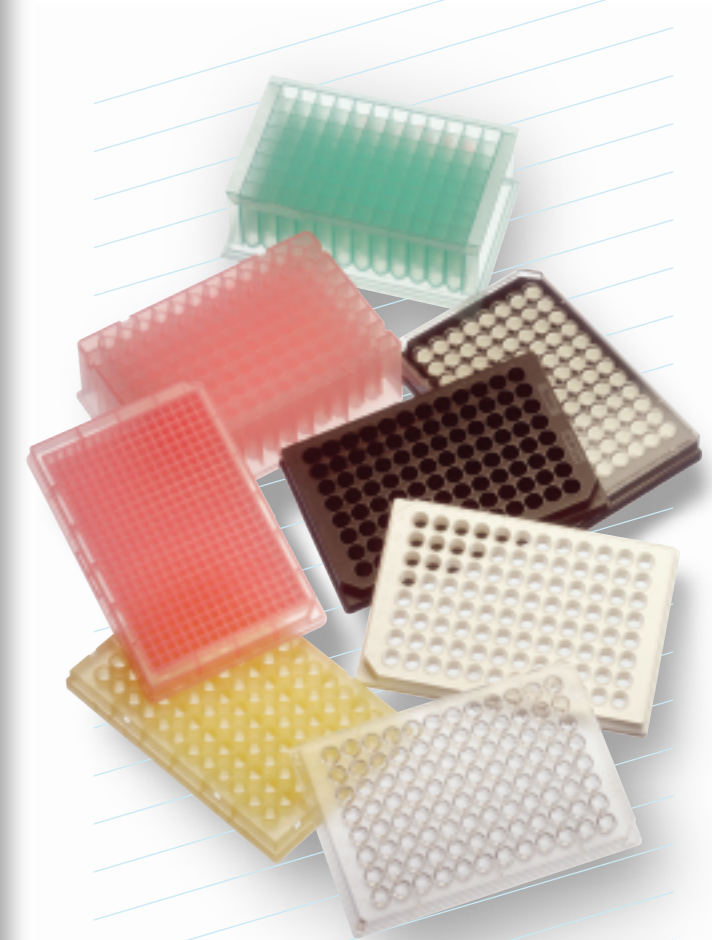
WebSeal™ System

WebSeal Microplate Sealing Mats DMSO Resistant

- Manufactured of pure silicone with extensive PTFE layer
- DMSO resistant for long term storage

WebSeal System

PART NO.	DESCRIPTION	COLOUR	PK SIZE
WSM-2F	96 round well, domed base silicone/PTFE layer sealing mat	Blue/red	5/pk
WSM-2FBF	96 round well, flat base silicone/PTFE layer sealing mat	Blue/red	5/pk
WSM-3SF	96 square well, silicone/PTFE layer sealing mat	Blue/red	5/pk
WSM-5F	384 square well, silicone/PTFE layer sealing mat	Blue/red	5/pk
WSM-5RF	384 round well, silicone/PTFE layer sealing mat	Blue/red	5/pk

WebSeal Mat Applicator

WebSeal System

PART NO.	DESCRIPTION	COLOUR	PK SIZE
WSA-1	Hand held mat applicator	Black	each

Minivap™

Sample concentrator, evaporating 500µL methanol in less than 10 minutes

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
CLS-229203	MiniVap Sample Concentrator	each

UltraVap™

Programmable high speed sample concentrator with patented spiral needles, evaporating 500µL methanol in 6 minutes

WebSeal System

| PART NO.	DESCRIPTION	PK SIZE
CLS-229070	UltraVap 96 Well High Speed Sample Concentrator	each
CLS-229074	Replacement Spiral Needle Kit, with Fitting Tool	10/pk

1.1mL WebSeal Kit

1.1mL kits available as 8mm crimp top standard vials or with WebSeal silicone/PTFE sealing mats.

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
Kit		
1.1-MTPVC-96	96 well PP plate with 1.1mL glass vials, sealing mats	5/pk
1.1-CMTPVC-96	96 well PP plate with 1.1mL, 8mm crimp top vials	5/pk
Accessories		
1.1-MTV-96	1.1mL clear glass vials for 1.1-MTPVC-96 kit	500/pk
1.1-CRV	1.1mL clear glass crimp top vials for 1.1-CMTPVC-96 kit	500/pk
1.1-MTP-96	96 deep well PP plate for 1.1mL shell vial	5/pk
1.1-MTPS-96	96 square deep well PP plate for 1.mL crimp top vials	5/pk
WSM-6	WebSeal silicone/PTFE sealing mat	5/pk
WSM-6X	WebSeal silicone/PTFE sealing mat pre-slit	5/pk

1.5mL WebSeal Kit

1.5mL kit avaialble in 96 well polypropylene micro titer plate pre-inserted with 1.5mL clear glass vials and WebSeal silicone/PTFE sealing mats.

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
Kit		
1.5-MTPVC-96	96 well PP plate, 1.5ml glass vials, sealing mat	5/pk
Accessories		
1.5-MTVC-96	1.5mL clear glass vials for 1.5-MTPVC-96 kit	500/pk
1.5-MTP-96	96 well PP plate for 1.5mL glass vials	5/pk
WSM-6	WebSeal silicone/PTFE sealing mat	5/pk
WSM-6X	WebSeal silicone/PTFE sealing mat pre-slit	5/pk
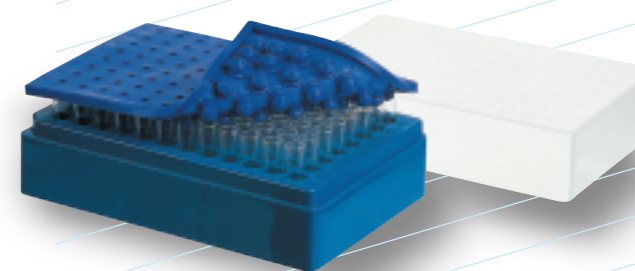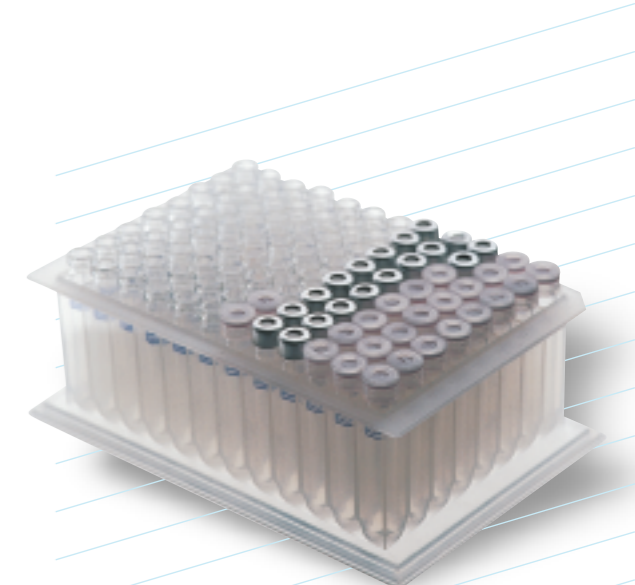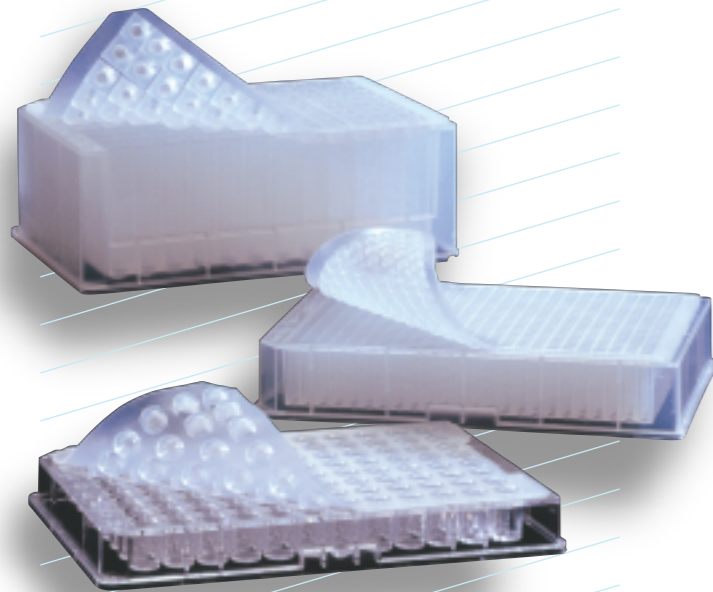
MicroMat CLR Microplate Sealing System

- Manufactured from pure silicone with a wider penetration area for ease of use
- Dry heat autoclavable
- Resists coring or tearing
- Eliminates cross-contamination well to well
- Available pre-slit to reduce vacuum formation

MicroMat CLR Sealing Mats
Silicone only

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
WSM-2E	96 round well sealing mat 7mm silicone only	5/pk
WSM-2XE	96 round well sealing mat 7mm silicone only pre-slit	5/pk
WSM-5E	384 square well sealing mat silicone only	5/pk
WSM-5XE	384 square well sealing mat silicone only pre-slit	5/pk
WSM-3SE	96 square well sealing mat silicone only	5/pk
WSM-3SXE	96 square well sealing mat silicone only pre-slit	5/pk
WSM-2FBE	96 round well sealing mat 8mm silicone only	5/pk
WSM-2FBXE	96 round well sealing mat 8mm silicone only pre slit	5/pk
WSM-7E	96 round well sealing mat silicone only for NUNC plates	5/pk
WSM-7XE	96 round well sealing mat silicone only pre-slit for NUNC plates	5/pk

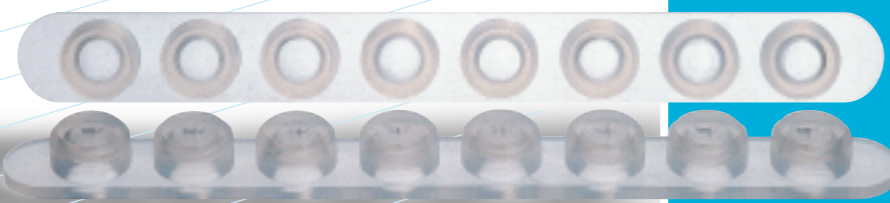## MicroMat CLR 8mm Well Strips

- Available pre-slit for easy penetration and reduced vacuum formation
- Use where only partial plate capacity is required

MicroMat CLR Sealing Strips
Silicone only

WebSeal System

PART NO.	DESCRIPTION	PK SIZE
WSMS-2E	96 round well 8mm strips silicone only	12/pk
WSMS-2XE	96 round well 8mm strips silicone only pre-slit	12/pk

WebSeal Microplate Sealing System

- Manufactured from pure silicone with PTFE coating on underside
- Superior resealability after multiple injections
- Excellent chemical compatibility
- Dry heat autoclavable
- Eliminates cross-contamination well to well
- Available pre-slit for easy penetration and reduced vacuum formation

WebSeal Sealing Mats
Silicone/PTFE Coating

WebSeal System

PART NO.	DESCRIPTION	COLOUR	PK SIZE
WSM-2L	96 round well, dome base silicone/PTFE coated sealing mat	Lt blue	5/pk
WSM-2	96 round well, dome base silicone/PTFE coated sealing mat	Dk blue	5/pk
WSM-2X	96 round well, dome base, silicone/PTFE coated sealing mat pre-slit	Dk blue	5/pk
WSM-2FB	96 round well, flat base, silicone/PTFE coated sealing mat	Lt blue	5/pk
WSM-2FBP	96 round well, flat base, silicone/PTFE coated sealing mat pre-slit	Pink	5/pk
WSM-2FBX	96 round well, flat base, silicone/PTFE coated sealing mat pre-slit	Lt blue	5/pk
WSM-3S	96 square well, silicone/PTFE coated sealing mat	Lt blue	5/pk
WSM-3SXY	96 square well, silicone/PTFE coated sealing mat pre-slit	Yellow	5/pk
WSM-3SX	96 square well, silicone/PTFE coated sealing mat pre-slit	Lt blue	5/pk
WSM-5	384 round well, silicone/PTFE coated sealing mat	Red	5/pk
WSM-5X	384 round well, silicone/PTFE coated sealing mat pre-slit	Lt blue	5/pk
WSM-5R	384 square well, silicone/PTFE coated sealing mat	Lt blue	5/pk
WSM-5RX	384 square well, silicone/PTFE coated sealing mat pre-slit	Lt blue	5/pk