

96 Well Plates



- Choice of 3 Vial Sizes:**
- 0.5mL System**
– Fits in the base plate
 - 1.0mL System**
– Base plate + one spacer
 - 1.5mL System**
– Base plate + two spacers

Laboratories use microtiter plates for different experimental assays, including sorbent assays, high-throughput screening assays, drug discovery and combinatorial chemistry analysis. The microtiter plate can have a fixed height or it can be multi-tiered for adjustable height to support different sized vials. The plate can be built via spacers to hold capacities of 0.5mL, 1.0mL and 1.5mL, depending on the height limitations of the instrument. The plate can hold various length 9mm diameter conical bottom and flat bottom glass and plastic vials.

96-Well Multi-Tier™

- Standard 96 well footprint
- Use for high throughput screening, sorbent assays, and combinatorial analysis
- Choice of 3 sizes of glass vials – just add a spacer to the base for larger volume vials
- Lid locks in with built in O-rings
- Even heating or cooling of vials when immersed in a water bath



Multi-Tier™
Microtiter Plate

96-Well Multi-Tier™ System

Cat. No.	Description
96M-0450	0.5mL, Inserts, base plate, liner, cover
96M-04100	1.0mL, Inserts, base plate, spacer, liner, cover
96M-04150	1.5mL, Inserts, base plate, 2 spacers, liner, cover

Replacement Inserts in Easy Vial Loader

96I-0450	0.5mL, Glass conical vial, 96/pk
96I-04100	1.0mL, Glass conical vial, 96/pk
96I-04150	1.5mL, Glass conical vial, 96/pk
96I-04150F	1.5mL, Glass flat bottom vial, 96/pk
96I-0450P	0.5mL, Polypropylene conical vial, 96/pk
96I-04150P	1.5mL, Polypropylene conical vial, 96/pk

Replacement Liners

96M-04	Flat liner, prescored PTFE/Sil/PTFE, 5/pk
96M-16	Liner, molded (96) PTFE/Silicone, 5/pk
96M-26	Liner, prescored (96) Molded, PTFE/Sil, 5/pk
96M-816	Strip, molded (8) PTFE/Silicone, 12/pk
96M-826	Strip, prescored molded (8), PTFE/Sil, 12/pk
96M-116	Plug, molded (1) PTFE/Silicone, 100/pk
96M-126	Plug, prescored molded (1) PTFE/Sil, 100/pk

Replacement Parts

96M-10	Cover for plate
96M-11	Spacer
96M-12	Base plate

Also available in TPX (transparent plastic). Please call for pricing and availability.

Modular
and Stackable.



Multi-Tier™ in waterbath



Open bottom of the plate for uniform heat transfer



Molded Liner, Prescored, 96M-26



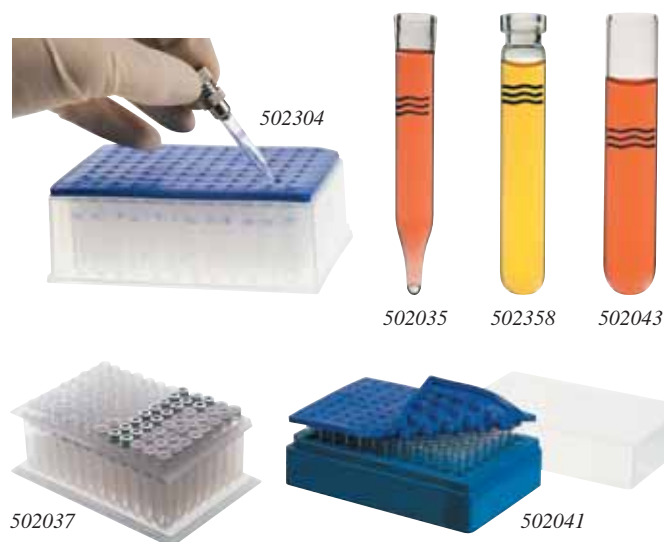
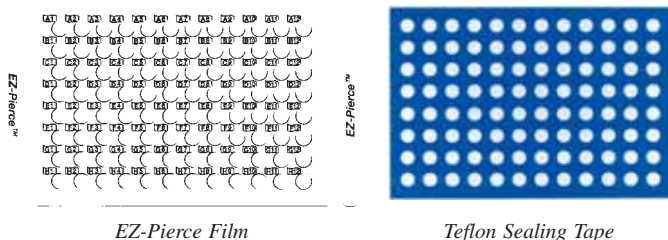
Molded Plugs, 96M-116



Molded Strips, 96M-816

Many of the assays performed in the analytical chemistry laboratories require heating or cooling of the vials to simulate invitro conditions or for temperature sensitive experiments. Our base plate has an open bottom so that the microtiter plate can be immersed in heating or cooling fluids allowing total fluid contact with the vials. This permits uniform transfer of heat or cold to and from the vials.

See page 271 for a 96 well plate heater/cooler.



96-Well Pattern Sealing Film and Tape

- Non-adhesive 96 well pattern design prevents adhesives from sticking to plastic pipette tips and metal probes
- Two end tabs allow for easier, more accurate positioning of the film to the plate
- Pierceable with a multi-channel pipettor or robotic probes for direct sample recovery without risk of aerosols and contamination
- Film minimizes sample evaporation, spillage and cross-over between wells

Our 96-Well Pattern Sealing Film and Tape is adhesive-free around the 96 wells preventing the tack/sticky adhesive glue from adhering to plastic pipette tips or metal probes. Our advanced adhesive is solvent free.

Polyethylene Film Characteristics

Polyethylene film and adhesive offers excellent chemical and DMSO resistance. Recommended for temperatures from -40° C to 90° C. Two end tabs allow for easier, more accurate positioning of the film to the plate.

EZ-Pierce™ 96-Well Flagged Template

Available in 2.75 mil thick Polyethylene with acrylic adhesive. Printed 96 well template flags each well with clearly marked alpha-numerics for easy well-to-well identification. Polyethylene film and adhesive offers excellent chemical and DMSO resistance. Recommended for temperatures from -40° C to 90° C. Two end tabs allow for easier, more accurate positioning of the film to the plate.

Teflon Sealing Tape Characteristics

Teflon adheres to polypropylene, polystyrene, and polycarbonate materials. Withstands temperatures from -70° C to 110° C. Compatible with aqueous solutions and organic solvents.

96-Well Pattern Sealing Film and Tape

Cat. No.	Description	Qty.
ZAF-PE-50	2 mil PE sealing film	50
EZP-PRN	EZ-Pierce template film*	100
EZPS-PRN	EZ-Pierce template film*, sterile	50
9600-TEMP	EZ-Pierce, film free wells	100
BST-9790	2 mil Teflon sealing tape	100
BST-9790S	2 mil Teflon sealing tape, sterile	100
BST-9791	5 mil Teflon sealing tape	100
BST-9791S	5 mil Teflon sealing tape, sterile	100

*Adhesive covers wells

WebSeal 96 Well Glass Insert Wellplates

- Unique cutting tool allows removal of individual samples, with seal in place, eliminating cross contamination
- WebSeal Mats are dry heat autoclavable and offer superior chemical compatibility, resists coring and tearing
- Kits are boxed with vials pre-assembled and a pack of 5 mats (with the exception of the Teflon vial kit)

96 Wellplate Kits

Cat. No.	Description	Qty.
502304	Plate w/pre-inserted 650µL (502035) insert, 5 webseal mats, (1) cutting tool	5
502037	Plate w/pre-inserted 1.1mL crimp top vial	5
502041	Rack w/pre-inserted 1.1mL (502043) glass inserts, webseal mats, rack lid	5
502303	Plate w/pre-inserted 650µL (502034) Teflon inserts and webseal mat	1

Replacement Inserts

502035	650µL Clear glass conical insert	500
502358	1.1mL Clear glass crimp top vial	500
502043	1.1mL Clear glass round bottom insert	500
502034	650µL Teflon insert	100
502302	Cutting tool	1

WebSeal Mats, Teflon coated silicone

502344	96 Round (8mm)	5
502347	96 Round, (8mm) pre-slit	5
502387	96 Round, (8mm) DMSO resistant	5
502345	96 Round, (7mm) flat base	5
502346	96 Round, (7mm) flat base, pre-slit	5
502325	96 Round, (7mm) flat base, DMSO resistant	5
502348	96 Square	5
502350	96 Square, pre-slit	5
500359	96 Square, DMSO resistant	5
502351	384 Square	5
502355	384 Square, pre-slit	5
502388	384 Square, DMSO resistant	5
502353	384 Round	5
502354	384 Round, pre-slit	5
502389	384 Round, DMSO resistant	5

96 Well Plates



MicroMat Microplate Sealing System

- **MicroMat CLR™:** Manufactured of pure silicone, with wider penetration area
- **MicroMat:** Manufactured from Teflon coated silicone
- Smaller footprint permits plates to be securely stacked without robotic arm interference
- Superior resealability after up to 100 injections
- Eliminates cross contamination of samples
- Dry heat autoclaveable and excellent chemical compatibility, resists coring and tearing

MicroMat CLR™ Microplate Sealing System

Cat. No.	Description	Qty.
300002	96 Round 7mm	10
300005	96 Round 7mm, pre-slit	10
300007	384 Square	10
300009	384 Square, pre-slit	10
300015	96 Round 8mm	10
300016	96 Round 8mm, pre-slit	10
300011	96 Square	10
300013	96 Square, pre-slit	10

MicroMat CLR™ 8 Well Strips Sealing System

300023	96 Round 7mm, 8 well strips, pre-slit	12
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MicroMat Sealing System

400067	96 Round, round underside, blue	10
400073	96 Round, flat underside, blue	10
400079	96 Round, flat underside, pre-slit, pink	10
400026	96 Square, blue	10
401026	96 Square, pre-slit, yellow	10
400085	384 Round MicroMat HTS, red	10



Greiner® Microplates

- Manufactured from a non-toxic virgin high clarity material
- Chemically and thermally resistant, -80° C to 80° C
- SBS standard footprint design
- Microplates are ideal for pharmaceutical applications, sample collection & storage, combinatorial chemistry, and HTS applications
- Raised wells for thermal or adhesive sealing, low draft sidewalls for robotic handling, and compatibility to current plate handling equipment

96 Round Well Microplate (Accepts 7mm Mats)

Cat. No.	Well Design	Total Well Volume	Working Volume	Qty.
500833	U	300µL	250µL	10
500835	V	220µL	190µL	10
500849	Flat	370µL	300µL	10

96 Square Well Microplate

500837	U	1.2mL	1.0mL	10
500839	Flat	2.4mL	2.0mL	10

384 Square Well Microplate

500841	U	120µL	90µL	10
500845	U	240µL	180µL	6

96-Deep Well Titer Plate

- 1mL capacity per well
- 8 x 12 grid configuration
- Distinct alpha-numeric designation
- Compatible with multichannel pipettors



The 96-deep well polypropylene titer plate features the same footprint as all standard 96 well microtiter plates and is compatible with commonly used 8 and 12 channel pipettors. The alpha-numeric designation makes the Riplate ideal for storage or archiving of specimens. In addition, the Riplate is useful for DNA sequencing, ELISA and general procedures requiring a “mother” plate. Other common uses include culture retrieval of bacteria and cell tissue in clinical research applications. The Riplate can be used in connection with the Bio-Mek 1000 Automated Laboratory Workstation for pharmaceutical R&D studies. The polypropylene Riplate is compatible for liquid nitrogen storage. Overall well plate dimensions are 128 x 86 x 42mm.

Cat. No.	Description	Qty.
96-0001	96 well plate, round wells, round bottom	20



96 Round Well Plates

96 Round Well Microplates, Polypropylene

Cat. No.	Well Design	Total Well Volume	Qty.
96-650201	U	300µL	100
96-651201	V	300µL	100
96-655201	Flat	300µL	100
96-0765	U	650µL	50
96-0564	U	1.2mL	50

Mats to fit above 96 Round Well Microplates

Cat. No.	Description	Qty.
96-0566	Pierceable capmats	50
96-0566AS	Pierceable capmats ¹	50

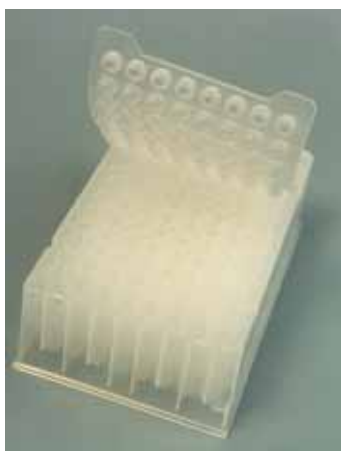
¹Autosampler friendly, can pierce 5 times without coring

96 Round Well Plate, Polypropylene

Cat. No.	Well Design	Total Well Volume	Qty.
96-PDW20C	U	2.2mL	50

Mat to fit above 96 Round Well Plate

Cat. No.	Description	Qty.
96-52101352	Capmat to fit 2.2mL/well plate	50



96 Square Well Plates

96 Square Well Plates, Polypropylene

Cat. No.	Well Design	Total Well Volume	Qty.
96-6006	V	350µL	50
96-6008	V	1mL	50
96-6009	V	2mL	50
96-850356	U	2.2mL	20
96-0661 ²	U	2.2mL	50

²Plate has raised ridges and is heat-sealable, accepts capmat 96-850357

Mats to fit above 96 Square Well Plates

Cat. No.	Description	Qty.
96-0662	Pierceable capmat	50
96-6004	Pierceable capmat, autoclavable	50
96-850357	Capmat to fit 96-850356	20

96 Well MasterBlock, Chimney-well, Polypropylene

Cat. No.	Well Design	Total Well Volume	Qty.
96-780201	Chimney-well	1.2mL	50
96-780270	Chimney-well	2.4mL	50

Mat to fit above 96 Well MasterBlock, Chimney-well

Cat. No.	Description	Qty.
96-381080	Capmat to fit Masterblock	50

