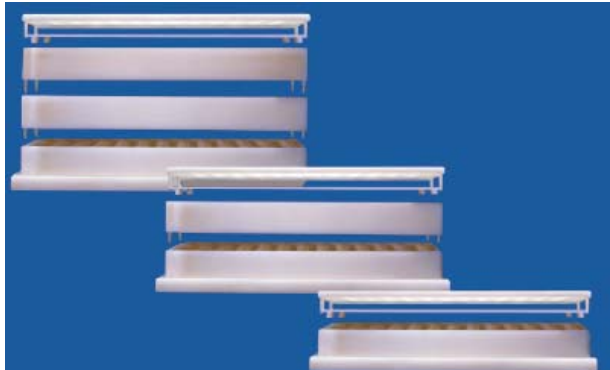


## 96-Well Multi-Tier™ Micro Plate System (Patented)

*Finneran Products Certified For Science™*



An improvement on existing 96-Well systems, the Multi-Tier™ Plate is a patented modular, reusable system featuring a base plate capable of securing 0.5mL, 1.0mL, 1.5mL, 2.0mL or 2.5mL conical glass, flat bottom and polypropylene vials. The vented design of the base plate assures uniform heating and cooling when immersed in a water bath. The cover locks the liner in place and prevents vial pullout. The prescored PTFE/Silicone/PTFE liner permits easy needle penetration, while the Molded PTFE/Silicone liner locks into each of the 96 vials and reseals after multiple injections thus reducing the chance of solvent evaporation and cross contamination.

### **Features/Benefits:**

- Standard 8x12 (96-well) footprint with an alphanumeric grid allows use with most instruments
- Height adjustment provides volume choices of 0.5mL, 1.0mL, 1.5mL, 2.0mL and 2.5mL capacity vials
- Choice of 9mm glass or plastic vials with conical or flat bottoms
- Plate can be fixed height or adjusted to height limitation of analytical instrument
- Spacers build adjustable height to support different sized vials
- PTFE/Silicone/PTFE liner provides sample integrity
- Plate cover locks the liner in place, prevents vial pullout, and provides a secondary sealing system
- Base Plate has an open bottom to allow uniform transfer of heat or cold to vials
- Secure fit of the vials in the base plate permit use with shaker and vortex mixers during sample preparations
- Compatible with all autosampler and robotic systems
- Minimize risk of cross-contamination

### **Useful for:**

- Experimental Assays
- Sorbent Assays
- Drug Discovery
- Drug Metabolism Research
- Combinatorial Chemistry
- High-Throughput Screening (HTS)
- Liquid Chromatography with Tandem Mass Spectrometry (LC-MS-MS)
- Metabolomic Analyses
- BioProcess Screening

Many assays require heating or cooling of the vials to simulate *in vitro* conditions or for temperature sensitive experiments. The heating or cooling is usually done with liquids or gases. The bottom design allows our base plate to be immersed in heating or cooling fluids to allow total fluid contact with the vials. This permits a uniform transfer of heat or cold to and from the vials. Our plates do not float in the bath. Constructed of chemically resistant material, select either Acrylic Butyl Styrene (ABS) or Topas (COC-Cyclic Olefin Copolymers) material.

## 96-Well Multi-Tier™ Micro Plate System (Patented)



### Complete Plate System Includes:

1. 96-Well Base Plate
2. Choice of 5 Sizes - 0.5mL (9x17mm), 1.0mL (9x30mm), 1.5mL (9x44mm), 2.0mL (9x50mm), and 2.5mL (9x75mm) Conical or Flat Bottom Vials
3. Spacers for 1.0mL, 1.5mL, 2.0mL, and 2.5mL Plate
4. Cover
5. PTFE/Silicone/PTFE Liner

### Multi-Tier™ Micro Plate System (ABS)

Plates manufactured in ABS (Acrylic Butyl Styrene) have good chemical resistance against acid and bases, are heat resistant up to 80° C, and can be centrifuged to 2,500 rpms.



ABS Micro Plate System

Cat. No.	Description	Qty
9905LC-812	0.5mL (ABS) Plate System with Glass Conical Vials	1 Plate
9910LC-812	1.0mL (ABS) Plate System with Glass Conical Vials	1 Plate
9915LC-812	1.5mL (ABS) Plate System with Glass Conical Vials	1 Plate
9920LC-812	2.0mL (ABS) Plate System with Glass Conical Vials	1 Plate
9905PLC-812	0.5mL (ABS) Plate System with Polypropylene Conical Vials	1 Plate
9910PLC-812	1.0mL (ABS) Plate System with Polypropylene Conical Vials	1 Plate
9915PLC-812	1.5mL (ABS) Plate System with Polypropylene Conical Vials	1 Plate
9920PLC-812	2.0mL (ABS) Plate System with Polypropylene Conical Vials	1 Plate
9905LC-812FB	0.5mL (ABS) Plate System with Glass Flat Bottom Vials	1 Plate
9910LC-812FB	1.0mL (ABS) Plate System with Glass Flat Bottom Vials	1 Plate
9915LC-812FB	1.5mL (ABS) Plate System with Glass Flat Bottom Vials	1 Plate
9920LC-812FB	2.0mL (ABS) Plate System with Glass Flat Bottom Vials	1 Plate
9915LC-812RB	1.5mL (ABS) Plate System with Glass Round Bottom Vials	1 Plate
9920LC-812RB	2.0mL (ABS) Plate System with Glass Round Bottom Vials	1 Plate

### Multi-Tier™ Micro Plate System (Topas)

Plates manufactured in Topas (COC - Cyclic Olefin Copolymers) have excellent clarity and heat/chemical resistance. The plates can be autoclaved and sterilized, are heat resistant to 150° C, and are UV transparent down to 300nm.



Topas Micro Plate System

Cat. No.	Description	Qty
9905LC-812T	0.5mL (Topas) Plate System with Glass Conical Vials	1 Plate
9910LC-812T	1.0mL (Topas) Plate System with Glass Conical Vials	1 Plate
9915LC-812T	1.5mL (Topas) Plate System with Glass Conical Vials	1 Plate
9920LC-812T	2.0mL (Topas) Plate System with Glass Conical Vials	1 Plate
9905PLC-812T	0.5mL (Topas) Plate System with Polypropylene Conical Vials	1 Plate
9910PLC-812T	1.0mL (Topas) Plate System with Polypropylene Conical Vials	1 Plate
9915PLC-812T	1.5mL (Topas) Plate System with Polypropylene Conical Vials	1 Plate
9920PLC-812T	2.0mL (Topas) Plate System with Polypropylene Conical Vials	1 Plate
9905LC-812FT	0.5mL (Topas) Plate System with Glass Flat Bottom Vials	1 Plate
9910LC-812FT	1.0mL (Topas) Plate System with Glass Flat Bottom Vials	1 Plate
9915LC-812FT	1.5mL (Topas) Plate System with Glass Flat Bottom Vials	1 Plate
9920LC-812FT	2.0mL (Topas) Plate System with Glass Flat Bottom Vials	1 Plate
9915LC-812RT	1.5mL (Topas) Plate System with Glass Round Bottom Vials	1 Plate
9920LC-812RT	2.0mL (Topas) Plate System with Glass Round Bottom Vials	1 Plate

*\*Assembled Micro Plates are available with any combination of vials and liners.  
Please contact us for more information.*

## 96-Well Multi-Tier™ Micro Plate System (Patented)

**Plates also available with vials only - No Cover or Liner:**

1. 96-Well Base Plate
2. Choice of 5 Sizes - 0.5mL (9x17mm), 1.0mL (9x30mm), 1.5mL (9x44mm), 2.0mL (9x50mm), and 2.5mL (9x75mm) Conical or Flat Bottom Vials
3. Spacers for 1.0mL, 1.5mL, 2.0mL, and 2.5mL Plate

### Multi-Tier™ Micro Plates (ABS)

Plates manufactured in ABS (Acrylic Butyl Styrene) have good chemical resistance against acid and bases, are heat resistant up to 80° C, and can be centrifuged to 2,500 rpms.

Cat. No.	Description	Qty
9905-812	0.5mL (ABS) Plate with Glass Conical Vials only	1 Plate
9910-812	1.0mL (ABS) Plate with Glass Conical Vials only	1 Plate
9915-812	1.5mL (ABS) Plate with Glass Conical Vials only	1 Plate
9920-812	2.0mL (ABS) Plate with Glass Conical Vials only	1 Plate
9905P-812	0.5mL (ABS) Plate with Polypropylene Conical Vials only	1 Plate
9910P-812	1.0mL (ABS) Plate with Polypropylene Conical Vials only	1 Plate
9915P-812	1.5mL (ABS) Plate with Polypropylene Conical Vials only	1 Plate
9920P-812	2.0mL (ABS) Plate with Polypropylene Conical Vials only	1 Plate
9905-812FB	0.5mL (ABS) Plate with Glass Flat Bottom Vials only	1 Plate
9910-812FB	1.0mL (ABS) Plate with Glass Flat Bottom Vials only	1 Plate
9915-812FB	1.5mL (ABS) Plate with Glass Flat Bottom Vials only	1 Plate
9920-812FB	2.0mL (ABS) Plate with Glass Flat Bottom Vials only	1 Plate
9915-812RB	1.5mL (ABS) Plate with Glass Round Bottom Vials only	1 Plate
9920-812RB	2.0mL (ABS) Plate with Glass Round Bottom Vials only	1 Plate



### Multi-Tier™ Micro Plate System (Topas)

Plates manufactured in Topas (COC - Cyclic Olefin Copolymers) have excellent clarity and heat/chemical resistance. The plates can be autoclaved and sterilized, are heat resistant to 150° C, and are UV transparent down to 300nm.

Cat. No.	Description	Qty
9905-812T	0.5mL (Topas) Plate with Glass Conical Vials only	1 Plate
9910-812T	1.0mL (Topas) Plate with Glass Conical Vials only	1 Plate
9915-812T	1.5mL (Topas) Plate with Glass Conical Vials only	1 Plate
9920-812T	2.0mL (Topas) Plate with Glass Conical Vials only	1 Plate
9905P-812T	0.5mL (Topas) Plate with Polypropylene Conical Vials only	1 Plate
9910P-812T	1.0mL (Topas) Plate with Polypropylene Conical Vials only	1 Plate
9915P-812T	1.5mL (Topas) Plate with Polypropylene Conical Vials only	1 Plate
9920P-812T	2.0mL (Topas) Plate with Polypropylene Conical Vials only	1 Plate
9905-812FBT	0.5mL (Topas) Plate with Glass Flat Bottom Vials only	1 Plate
9910-812FBT	1.0mL (Topas) Plate with Glass Flat Bottom Vials only	1 Plate
9915-812FBT	1.5mL (Topas) Plate with Glass Flat Bottom Vials only	1 Plate
9920-812FBT	2.0mL (Topas) Plate with Glass Flat Bottom Vials only	1 Plate
9915-812RBT	1.5mL (Topas) Plate with Glass Round Bottom Vials only	1 Plate
9920-812RT	2.0mL (Topas) Plate with Glass Round Bottom Vials only	1 Plate



*\*Assembled Micro Plates are available with any combination of vials and liners.  
Please contact us for more information.*

# 96-Well Multi-Tier™ Micro Plate System (Patented)

## Replacement Accessories for 96-Well Multi-Tier™ Micro Plate System



Solid Clear Cover



24- and 48-Well  
Machine-Made Base Plates



Glass Conical Vials

### Assemble your own 96-Well Multi-Tier™ Micro Plate System:

0.5mL Plate System	Requires Base Plate Only
1.0mL Plate System	Requires one Spacer and Base Plate
1.5mL Plate System	Requires two Spacers and Base Plate
2.0mL Plate System	Requires three Spacers and Base Plate
2.5mL Plate System	Requires four Spacers and Base Plate

Cat. No.	Description	Qty
9900C-812	Cover for Plate System - ABS material	5 Pieces
9900C-812T	Cover for Plate System - Topas material	5 Pieces
9900-812	Spacer for Plate System - ABS material	1 Piece
9900-812T	Spacer for Plate System - Topas material	1 Piece
9996-812	96-Well Base Plate - ABS material	1 Piece
9996-812GFP	96-Well Base Plate - Glass-filled Polypropylene material	1 Piece
9996-812T	96-Well Base Plate - Topas material	1 Piece
9900VFC-812	Solid Clear Cover for Plate System	5 Pieces

## Machine-Made Base Plates

Cat. No.	Description	Qty
9924-670	24-Well Flat Bottom Base Plate - ABS material	1 Plate
9948-812	48-Well Base Plate - ABS material	1 Plate

## Replacement Vials for 96-Well Multi-Tier™ Micro Plate System

- Glass vials are manufactured of Type I borosilicate glass
- Glass and polypropylene vials fit securely in the 96-well Base Plate
- All glass vials are available silanized

### Glass Conical Vials

Cat. No.	Description	Qty
4050-917	0.5mL Clear Glass Conical Vials, 9x17mm	
4050-917A	0.5mL Amber Glass Conical Vials, 9x17mm	100
4100-930	1.0mL Clear Glass Conical Vials, 9x30mm	100
4100-930A	1.0mL Amber Glass Conical Vials, 9x30mm	100
4150-944	1.5mL Clear Glass Conical Vials, 9x44mm	100
4150-944A	1.5mL Amber Glass Conical Vials, 9x44mm	100
4200-950	2.0mL Clear Glass Conical Vials, 9x50mm	100
4200-950A	2.0mL Amber Glass Conical Vials, 9x50mm	100

# 96-Well Multi-Tier™ Micro Plate System (Patented)



*Glass Flat Bottom Vials*



*Polypropylene Conical Vials*



*Vial Loader is fast and convenient for loading vials into the Base Plate*

**To use the Vial Loader:**

1. Peel away the packaging and place an empty Base Plate on top of the vial loader.
2. Invert the entire unit and the plate is ready to use.

## Replacement Vials for 96-Well Multi-Tier™ Micro Plate System

**Glass Flat Bottom Vials**

Cat. No.	Description	Qty
4050FB-917	0.5mL Clear Glass Flat Bottom Vials, 9x17mm	100
4050FB-917A	0.5mL Amber Glass Flat Bottom Vials, 9x17mm	100
4100FB-930	1.0mL Clear Glass Flat Bottom Vials, 9x30mm	100
4100FB-930A	1.0mL Amber Glass Flat Bottom Vials, 9x30mm	100
4150FB-944	1.5mL Clear Glass Flat Bottom Vials, 9x44mm	100
4150FB-944A	1.5mL Amber Glass Flat Bottom Vials, 9x44mm	100
4200FB-950	2.0mL Clear Glass Flat Bottom Vials, 9x50mm	100
4200FB-950A	2.0mL Amber Glass Flat Bottom Vials, 9x50mm	100
4250FB-975	2.5mL Clear Glass Flat Bottom Vials, 9x75mm	100

**Glass Round Bottom Vials**

Cat. No.	Description	Qty
4200RB-950	2.0mL Clear Glass Round Bottom Vials, 9x50mm	100

**Polypropylene Conical and Flat Bottom Vials**

Cat. No.	Description	Qty
4050P-917	0.5mL Polypropylene Conical Vials, 9x17mm	100
4100P-930	1.0mL Polypropylene Conical Vials, 9x30mm	100
4150P-944	1.5mL Polypropylene Conical Vials, 9x44mm	100
4200P-950	2.0mL Polypropylene Conical Vials, 9x50mm	100
4200FP-950	2.0mL Polypropylene Flat Bottom Vials, 9x50mm	100

**Glass Conical Vials in Vial Loader**

Cat. No.	Description	Qty
4050-917VL	0.5mL Clear Glass Conical Vials in Vial Loader, 9x17mm	96
4050-917AVL	0.5mL Amber Glass Conical Vials in Vial Loader, 9x17mm	96
4100-930VL	1.0mL Clear Glass Conical Vials in Vial Loader, 9x30mm	96
4100-930AVL	1.0mL Amber Glass Conical Vials in Vial Loader, 9x30mm	96
4150-944VL	1.5mL Clear Glass Conical Vials in Vial Loader, 9x44mm	96
4150-944AVL	1.5mL Amber Glass Conical Vials in Vial Loader, 9x44mm	96
4200-950VL	2.0mL Clear Glass Conical Vials in Vial Loader, 9x50mm	96
4200-950AVL	2.0mL Amber Glass Conical Vials in Vial Loader, 9x50mm	96

**Glass Flat Bottom Vials in Vial Loader**

Cat. No.	Description	Qty
4050FB-917VL	0.5mL Clear Glass Flat Bottom Vials in Vial Loader, 9x17mm	96
405FB-917AVL	0.5mL Amber Glass Flat Bottom Vials in Vial Loader, 9x17mm	96
4100FB-930VL	1.0mL Clear Glass Flat Bottom Vials in Vial Loader, 9x30mm	96
410FB-930AVL	1.0mL Amber Glass Flat Bottom Vials in Vial Loader, 9x30mm	96
4150FB-944VL	1.5mL Clear Glass Flat Bottom Vials in Vial Loader, 9x44mm	96
415FB-944AVL	1.5mL Amber Glass Flat Bottom Vials in Vial Loader, 9x44mm	96
4200FB-950VL	2.0mL Clear Glass Flat Bottom Vials in Vial Loader, 9x50mm	96
420FB-950AVL	2.0mL Amber Glass Flat Bottom Vials in Vial Loader, 9x50mm	96

**Glass Round Bottom Vials in Vial Loader**

Cat. No.	Description	Qty
4200RB-950VL	2.0mL Clear Glass Round Bottom Vials in Vial Loader, 9x50mm	96

# 96-Well Multi-Tier™ Micro Plate System (Patented)

## Replacement Vials for 96-Well Multi-Tier™ Micro Plate System

### Polypropylene Conical and Flat Bottom Vials in Vial Loader

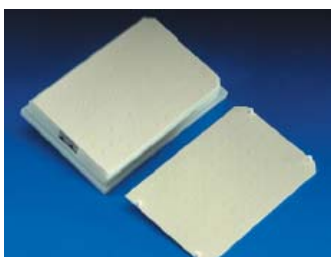
Cat. No.	Description	Qty
4050P-917VL	0.5mL Polypropylene Conical Vials in Vial Loader, 9x17mm	96
4100P-930VL	1.0mL Polypropylene Conical Vials in Vial Loader, 9x30mm	96
4150P-944VL	1.5mL Polypropylene Conical Vials in Vial Loader, 9x44mm	96
4200P-950VL	2.0mL Polypropylene Conical Vials in Vial Loader, 9x50mm	96
4200FP-950VL	2.0mL Polypropylene Flat Bottom Vials in Vial Loader, 9x50mm	96



## Vial Remover Tool

- Use tool to easily remove 9mm vials from the 96-well base plate

Cat. No.	Description	Qty
4000-VR	Vial Remover Tool	1



PTFE/Silicone/PTFE Flat Liner

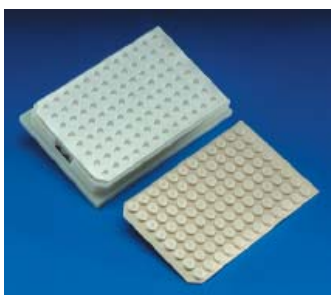
## Sealing Systems for 96-Well Multi-Tier™ Micro Plate

- The Liners designed specifically for the 96-Well Multi-Tier Micro Plate preserves sample integrity and prevents cross contamination
- Our sealing systems prevent evaporative losses and contamination from ambient air
- The PTFE faced medical grade silicone mats meet U.S.P. Class VI requirements

### Prescored Recessed Well Flat Liner with Cross Slits

- Cross slits permit easier needle penetration
- Liner locks into the plate to prevent vial pull out

Cat. No.	Description	Qty
996070RW-812	Prescored Recessed Well PTFE/Silicone/PTFE Flat Liner	5



Molded Mat -96 plugs seal individual vials to isolate samples

### Molded 96 Plug Mat

- Mat locks into the 9mm vials to create an inert sample environment

Cat. No.	Description	Qty
996015-812	Molded Silicone Mat, 96 Plugs	5
996035-812	Prescored Molded Silicone Mat, 96 Plugs	5
996050-812	Molded PTFE/Silicone Mat, 96 Plugs	5
996075-812	Prescored Molded PTFE/Silicone Mat, 96 Plugs	5



Molded 8-plug strips and individual plugs allow limited sample testing

### Molded PTFE/Silicone Strips and Individual Plugs

Cat. No.	Description	Qty
96050-8STRIP	Molded PTFE/Silicone Strip, 8 Plugs	12
96075-8STRIP	Prescored Molded PTFE/Silicone Strip, 8 Plugs	12
9605-12STRIP	Molded PTFE/Silicone Strip, 12 Plugs	8
9607-12STRIP	Prescored Molded PTFE/Silicone Strip, 12 Plugs	8
96050-8PLUG	Molded PTFE/Silicone Plug, Single Plug	100
96075-8PLUG	Prescored Molded PTFE/Silicone Plug, Single Plug	100

# 96-Well Multi-Tier™ Micro Plate System (Patented)

## Sealing Systems for 96-Well Multi-Tier™ Micro Plate

### Push Cap Mat for 9mm Vials in 96-well Multi-Tier Plates

- *Material: Thermoplastic Elastomer (TPE)*
- *A single push of the mat simultaneously closes 96 individual vials*
- *Storage temperature down to -80° C*
- *Certified free of DNA, RNA, Dnase, Rnase, endotoxins/pyrogenics*
- *Packaging - 10 mats per pack*



Cat. No.	Description	Qty
96PCM-W	Push Cap Mat - White	10
96PCM-BL	Push Cap Mat - Black	10
96PCM-B	Push Cap Mat - Blue	10
96PCM-R	Push Cap Mat - Red	10
96PCM-G	Push Cap Mat - Green	10
96PCM-Y	Push Cap Mat - Yellow	10
96PCM-O	Push Cap Mat - Orange	10