

general laboratory

Well Plates and Accessories

A standard tool in research and clinical diagnostic testing. Applications range from cell and tissue cultures, cell biology studies, DNA analysis and protein analysis, to routine chemistry, drug screens, immunoassays and high-throughput, drug-discovery screening.

Microplates are available for most applications in various materials, number of wells, sterilization status and cell surface treatments.

- Cell arrangements: 6-, 12-, 24-, 48-, 96-, and 384-well microplates
- Packaging: available with and without lids, individually packed or in 10 boxes of 10

Materials:

- Polystyrene (PS) – most commonly used polymer
- Polypropylene (PP) – more chemical- and heat-resistant than Polystyrene
- Polypropylene Co-Polymer (PPC) – nearly transparent with the strength and resistance of Polypropylene
- UVT Acrylic (UVT) – UV wavelength transmissible
- Opaque white-and-black-colored Polystyrene – for light-sensitive, fluorescence applications

Bottom formats:

- Flat (F) bottom – most commonly used
- Conical (V) bottom – for microtiter use
- Round (U) bottom – for good mixing
- Chamfered (C) bottom – flat center with rounded corners to improve fluid recovery
- Open (O) bottom – to facilitate membrane attachment

Well volumes:

- Regular well plates – volume ranges from 0.12 mL (384-well plates) to 177 mL (6-well plates)
- Deep-well plates – 0.5 mL to 10 mL

Cell surface treatments:

- Sterilized – sterilized by gamma-irradiation.
- Treated – sterilized by gamma-irradiation and treated to improve cell attachment and growth, or to improve protein binding.

Each well in the microplate is designed to have a raised rim to reduce cross contamination and to provide a better fit to the corresponding raised ring in the lid. Lid use reduces excessive evaporative fluid loss. The EZ-Seal™ microplate adhesive films can be used in lieu of the lids and are compatible with most microplate procedures.

Thin-walled 96-Well and 384-Well Microplates can be found on pages 28 and 29.



Well Plates and Accessories

general laboratory

96-Well Microplates M9 Series

M9 Series 96-Well Microplates

- Standard, Sterile and Treated versions available
- Available with or without lids

Thin-walled 96-well microplates suitable for PCR can be found on page 28.



Caplugs No.	Type	Well Volume	Lid	Material	Color	Packaging	Carton Quantity
290-8115-01F	Standard	0.37 mL	None	Polystyrene (PS)	Natural	10/box	100
222-8050-FIK	Sterile	0.37 mL	None	Polystyrene (PS)	Natural	10/box	100
222-8030-01F	Sterile	0.37 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
333-8000-01F	Treated	0.37 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
333-8013-01F	Treated ELISA	0.37 mL	None	Polystyrene (PS)	Natural	10/box	50
290-8027-W1F	Standard	0.37 mL	None	Polystyrene (PS)	Opaque White	9/box	90
333-8091-W1I	Treated	0.37 mL	Yes	Polystyrene (PS)	Opaque White	Individual Pack	50
290-8195-Z1F	Standard	0.37 mL	None	Polystyrene (PS)	Black	9/box	90
DISCONTINUED -Z1F	Treated	0.37 mL	None	Polystyrene (PS)	Black	10/box	50
290-8350-03F	Standard	0.37 mL	None	Polypropylene (PP)	Natural	10/box	100
290-8120-0AF	Standard	0.37 mL	None	Acrylic UVT	Natural	10/box	100

DISCONTINUED

384-Well Microplates M38, M38L Series

The 384-well Microplate dimensions conform to recommended standards and are MP384-3 compliant.

- Well volume: 0.112 mL
- Flat (F) bottom only



Caplugs No.	Type	Well Volume	Lid	Material	Color	Packaging	Carton Quantity
Conical (V) Bottom							
290-8116-01V	Standard	0.30 mL	None	Polystyrene (PS)	Natural	10/box	100
290-8355-03V	Standard	0.30 mL	None	Polypropylene (PP)	Natural	10/box	100
222-8051-W1K	Sterile	0.30 mL	None	Polystyrene (PS)	Natural	10/box	100
222-8031-01V	Sterile	0.30 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
333-8001-01V	Treated	0.30 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
Round (U) Bottom							
290-8117-01R	Standard	0.32 mL	None	Polystyrene (PS)	Natural	10/box	100
222-8052-R1K	Sterile	0.32 mL	None	Polystyrene (PS)	Natural	10/box	100
222-8032-01R	Sterile	0.32 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
290-8029-W1R	Standard	0.32 mL	None	Polystyrene (PS)	Opaque White	9/box	90
333-8094-W1R	Treated	0.32 mL	None	Polystyrene (PS)	Opaque White	10/box	50
290-8196-Z1R	Standard	0.32 mL	None	Polystyrene (PS)	Black	9/box	90
333-8002-01R	Treated	0.32 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
290-8353-03R	Standard	0.32 mL	None	Polypropylene (PP)	Natural	10/box	100
333-8014-01R	Treated ELISA	0.32 mL	None	Polystyrene (PS)	Natural	Individual Pack	50
Chamfered (C) Bottom							
290-8118-01C	Standard	0.35 mL	None	Polystyrene (PS)	Natural	10/box	100
222-8033-01C	Sterile	0.35 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
DISCONTINUED -01C	Treated	0.35 mL	Yes	Polystyrene (PS)	Natural	Individual Pack	100
DISCONTINUED -01C	Treated ELISA	0.35 mL	None	Polystyrene (PS)	Natural	Individual Pack	50
Open (O) Bottom							
290-8121-01O	Standard	-	None	Polystyrene (PS)	Natural	10/box	100

Lids for Microplates

Caplugs No.	Material	Packaging	Carton Quantity
290-8019-01L	Polystyrene (PS)	15/box	105
290-8020-03L	Polypropylene (PP)	15/box	105
333-8018-01L	Sterile Polystyrene (PS)	15/box	60

M38, M38L Series 384-Well Microplates

Caplugs No.	Type	Lid	Material	Color	Packaging	Carton Quantity
290-8217-01O	Standard	None	Polystyrene (PS)	Natural	12/box	60
290-8221-W1O	Standard	None	Polystyrene (PS)	White	12/box	60
290-8225-Z1O	Standard	None	Polystyrene (PS)	Black	12/box	60
222-8210-01I	Sterile	Yes	Polystyrene (PS)	Natural	Individual Pack	50
290-8388-08F	Standard	None	Polypropylene Co-Polymer (PPC)	Natural	10/box	100
Lids for Microplates						
Caplugs No.	Material	Packaging	Carton Quantity			
290-8218-01L	Polystyrene (PS)	15/box	105			
290-8219-03O	Polypropylene (PP)	15/box	105			
290-8229-Z1L	Polystyrene (PS)	15/box	60			