



TECHNICAL NOTE

SUN-SRI Plate+ Dimensions

Polypropylene microtiter plates are being used with increasing frequency for chromatography applications where solvent resistance and minimized extractable compounds are essential. The majority of chromatography applications originated with glass vials used as the final sample container. Solid glass microplates are available, but they are extremely expensive and dimensionally inconsistent. The variations are especially apparent in the critical dimensions of well diameter and placement. Sealing mats provide a poor fit on the solid glass plates, so sample evaporation is a concern.

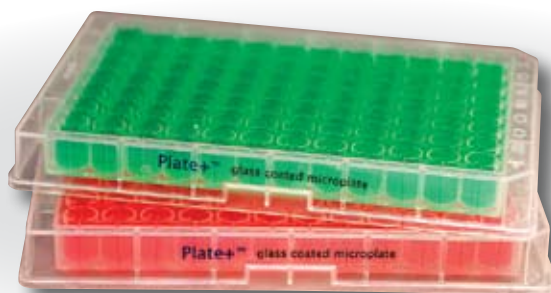
We have developed a glass-coated microplate as an alternative to polypropylene and solid glass microplates that addresses many of the performance issues.

The SUN-SRI Plate+ glass-coated microplates are high-quality, lightweight polypropylene plates coated with a 200nm thick layer of silicone dioxide. Chemically and thermally resistant with temperature tolerances from -80°C to 80°C, our Plate+ series delivers improved chemical compatibility while

retaining the dimensional advantages of molded polypropylene. These plates offer broad sample compatibility due to the coating process which gives the plate walls many of the characteristics of a deactivated glass vial. Our Plate+ is ideal for pharmaceutical applications where polystyrene or polypropylene microplates are not applicable.

Please note that the silicone dioxide coating slightly alters the dimensions of the plates compared to untreated polypropylene microplates. The chart on the next page provides a detailed overview of dimensions and capacities of standard Plate+ glass coated microplate products. This chart provides all of the information necessary for use of Plate+ microplates with most liquid handling workstations and autosamplers.

The Plate+ coating process can be applied to a number of other products on a custom basis. Contact your local SUN-SRI representative for information regarding custom applications.



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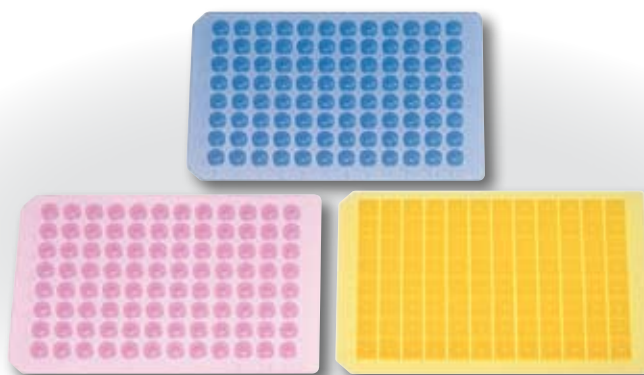
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SUN-SRI Part Number	Description	Quantity	Well Working Volume (µL)	Well Total Capacity (µL)	Plate Length (mm)	Plate Width (mm)	Plate Height (mm)	Well Pitch (mm)	Column Offset (mm)	Row Offset (mm)	Well Depth (mm)	Well Opening at Top (mm)
400 042	PLATE 96 1.2 ML MB P+ 10 GLASS COATED	10/PK	50-1000	1200	127.76	85.48	41.5	9	14.38	11.24	38.2	7
400 040	PLATE 96 1.2ML MB P+ 100 GLASS COATED	100/CS	50-1000	1200	127.76	85.48	41.5	9	14.38	11.24	38.2	7
400 046	PLATE 96 2.4ML MB P+ 10 GLASS COATED	10/PK	100-2000	2400	127.76	85.48	44.09	9	14.38	11.24	41	8.2
400 044	PLATE 96 2.4ML MB P+ 100 GLAS COATED	100/CS	100-2000	2400	127.76	85.48	44.09	9	14.38	11.24	41	8.2
400 054	PLATE 96 WELL U BTM P+ 10 GLASS COATED	10/PK	50-290	300	127.76	85.48	14.6	9	14.4	11.3	10.9	6.96
400 052	PLATE 96 WELL U BTM P+ 100 GLASS COATED	100/CS	50-290	300	127.76	85.48	14.6	9	14.4	11.3	10.9	6.96
400 058	PLATE 96WELL V P+10 GLASS COATED	10/PK	50-325	330	127.76	85.48	14.6	9	14.4	11.3	10.9	6.96
400 056	PLATE 96 WELL V BTM P+ 100 GLASS COATED	100/PK	50-325	330	127.76	85.48	14.6	9	14.4	11.3	10.9	6.96
400 062	PLATE 96 WELL FLT BTM P+ 10 GLASS COATED	10/PK	25-360	380	127.76	85.48	14.6	9	14.4	11.3	10.9	6.96
400 060	PLATE 96 WELL FLT BTM P+ 100 GLASS COATED	100/CS	25-360	380	127.76	85.48	14.6	9	14.4	11.3	10.9	6.96
400 150	PLATE 384 WELL N/S FB P+ 10 GLASS COATED	10/PK	15-140	147	127.76	85.48	14.4	4.5	12.15	9.05	11.5	3.8
400 151	PLATE 96 WELL V BTM P+ 100 GLASS COATED	100/CS	15-140	147	127.76	85.48	14.4	4.5	12.15	9.05	11.5	3.8
400 156	PLATE 384 DEEP WELL PP P+ 6 GLASS COATED	6/PK	20-220	235	127.76	85.48	22	4.5	12.15	9.05	3.8	19.3
400 157	PLATE 384 DEEP WELL PP P+ 60 GLASS COATED	60/CS	20-220	235	127.76	85.48	22	4.5	12.15	9.05	3.8	19.3



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