

A

Sources for Well Plates

The following tables list well plates and the associated insert required by each to ensure a compatible optical depth when inserted into the DynaPro Plate Reader II. Also refer to the minimum sample volume for each well.

Preferred Well Plates

Table A-1 lists preferred well plates which have been tested and shown to yield the highest quality data.

Table A-1: Wyatt Technology Preferred Well Plates

Well Plate Name	Manufacturer (Part Number)	Wyatt Part Number	Plate Material	Number of Wells	Plate Reader Insert to Be Used	Minimum Sample Volume (µL)	Temperature Range (°C)
Aurora 1536 Lobase Assay Plates, nontreated, square well	Brooks Life Science Systems (1090-00110)	P8806-1536	Black cyclic olefin polymer well walls, clear polymer base	1536	7.5	6	-10 to 120
1536W SensoPlate, ST, Flat Bottom, BLK/Glass, Lid Glass Bottom, Sterile	Greiner Bio-One, Inc. (783 892)	P8803-1536	Black plastic well walls, Glass well bottom	1536	7.5	5	4 to 37
Low Volume, 384 Well, Black with Clear Flat Bottom, Polystyrene, Not Treated, Microplate	Corning, Inc. (3540)	P8802-384	Black plastic well walls, polystyrene well bottom	384	9	20	0 to 60
384 SensoPlate, ST, Flat Bottom, BLK/Glass, Lid Glass Bottom, Sterile	Greiner Bio-One, Inc. (781 892)	P8803-384	Black plastic well walls, Glass well bottom	384	9	50	4 to 37
Aurora 384 LV/EB, 100% Cyclo Olefin Polymer (COP), 200 micron Clear Film Bottom	Brooks Life Science Systems (1012-00110)	P8806-38401	Black COP well walls, clear film bottom	384	9	30	-10 to 120
Corning® 96 Well Half Area Black with Clear Flat Bottom Polystyrene Not Treated Microplate, 25 per Bag, without Lid, Non sterile	Corning, Inc. (3880)	P8802-09602	Black polystyrene well walls, clear polystyrene base	96	9	100	0 to 60
96 SensoPlate, ST, Flat Bottom, BLK/Glass Lid, Glass Bottom, Sterile	Greiner Bio-One, Inc. (655 892)	P8803-096	Black plastic well walls, Glass well bottom	96	9.0	100	4 to 37

Compatible Well Plates

Table A-2 lists well plates which have been tested and shown to be compatible with your plate reader, although the data quality may be lower than with the well plates listed above in Table A-1.

Table A-2: Other Compatible Well Plates

Well Plate Name	Manufacturer	MFG Part Number	Plate Material	Number of Wells	Plate Reader Insert to Be Used	Minimum Sample Volume (µL)	Temperature Range (°C)
Greiner Bio-One Plate 1536WELL Ps Blk CS60	Greiner Bio-One, Inc.	783 096	Black polystyrene well walls, clear polystyrene base, medium binding hydrophobic	1536	7.5	4	0 to 60
1536 Well Cycloolefin Storage Plates with Optimized Geometry for low Evaporation, clear	Greiner Bio-One, Inc.	792 870-906	Clear cycloolefin copolymer well walls, clear cycloolefin base	1536	8.5	4	-10 to 120
Aurora 384 LV™/EB™, 100% COP, 100 micron clear film bottom	Brooks Life Science Systems	1011-00110	Black cyclo olefin polymer well walls, clear polymer base	384	8.5	30	-10 to 120
384 LV™/EB™, 100% Cyclo Olefin Polymer (COP), 200 Micron Clear Film Bottom	Brooks Life Science Systems	1012-00110	Proprietary Black COP polymer well walls, clear film bottom	384	9	25	-10 to 120
Corning® 384 Well Black non-treated, black, lid: No, non-sterile; γ-irradiated	Corning, Inc.	3711	Black plastic well walls, Polystyrene well bottom	384	9	30	0 to 40
384 Well Polystyrene Microplates, black	Greiner Bio-One, Inc.	781 096	Black polymer well walls, clear polymer base	384	9.5	60	-20 to 60
384 Well Small Volume™ LoBase Polystyrene Microplates, black	Greiner Bio-One, Inc.	788 092	Black polystyrene well walls, clear polystyrene base, hydrophilic	384	8	20	-20 to 60
384 Well Small Volume™ LoBase Polystyrene Microplates, black	Greiner Bio-One, Inc.	788 096	Black polystyrene well walls, clear polystyrene base, 'medium binding' hydrophobic	384	8	20	-20 to 60
384 well SZ, LoBase, COC Chimney style, Black with µClear, nontreated	Greiner Bio-One, Inc.	788 876	Black cycloolefin copolymer well walls, clear cycloolefin base, hydrophobic	384	8.5	15	-20 to 60
384 Well Sensoplate™, SZ LoBase, black with glass, sterile, with lid	Greiner Bio-One, Inc.	788 892	Black polystyrene well walls, clear glass base	384	8	10	4 to 37

Table A-2: Other Compatible Well Plates (Continued)

Well Plate Name	Manufacturer	MFG Part Number	Plate Material	Number of Wells	Plate Reader Insert to Be Used	Minimum Sample Volume (µL)	Temperature Range (°C)
384 Well Small Volume™ LoBase SensoPlate™, black	Greiner Bio-One, Inc.	788 896	Black polystyrene well walls, glass base	384	8.5	10	4 to 37
Standard and Low-Volume MatriPlate™ Microplates	Brooks Life Science Systems	MGB101- 1-2-LG-L	Black polymer well walls, clear glass base	384	8.5	60	0 to 40
ScreenMates 384 Well Black/ Clear Bottom, Polystyrene Microplate, Flat Bottom, Medium Binding	Matrix Technologies Corporation	4323	Black plastic well walls, Polystyrene well bottom	384	9	50	-20 to 60
384 Well Optical Bottom Plates Polystyrene/Polymer Base	Nalge NUNC International	242764	Black plastic well walls, Polymer well bottom	384	8.5	5	4 to 38
Polystyrene; Clear; 70µL/ well; Non sterile, no lid	Thermo Electron, Labsystems	95040000	Clear polystyrene well walls, polystyrene well bottom	384	8	30	0 to 60
Quartz Plate	Wyatt Technology	P8801-384	Frosted quartz well walls, quartz well bottom	384	8	50	n.s. to 900
96 Well Flat Bottom Plate Polystyrene Untreated	Corning, Inc.	3631	Black Polystyrene well walls, polystyrene well bottom	96	9.5	100	0 to 40
96 Well UV Plate	Corning, Inc.	3635	Clear acrylic well walls, Acrylic well bottom	96	9	165	0 to 40
Corning® 96 Well Half Area UV Plate	Corning, Inc.	3679	Clear acrylic well walls, acrylic well bottom	96	9	80	0 to 40
96 Well Half Area UV Star® Clear/Clear® Microplate, no lid	Greiner Bio One, Inc.	675801	Clear COC well walls, clear COC film base	96	9	60	-80 to 40
96 Well Chimney style, black, µClear bottom, sterile	Greiner Bio One, Inc.	655087	Black polystyrene wells, clear bottom	96	9.5	150	-20 to 60
96 Well Optical Bottom Plates, Polystyrene/Polymer Base	Nalge NUNC International	265301	Black plastic well walls, Polymer well bottom	96	8.5	165	20 to 40
Standard and Low-Volume MatriPlate™ Microplates	Brooks Life Science Systems	MGB096-1-2- LG-L	Black polymer well walls, clear glass base	96	10	300	0 to 40
Quartz Plate	Wyatt Technology	P8801-096	Frosted quartz well walls, quartz well bottom	96	8	100	n.s. to 900

Disclaimer: The well plate information provided above is true and correct to the best knowledge of Wyatt Technology Corporation. Please communicate with individual well plate manufacturers to confirm the above information.