

# Cyclo-olefin Microplates

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## SPECIFICATIONS

Description	384 round well low volume	384 square well with evaporation control perimeter wells	384 square well, without evaporation control wells
Assay well density	384 wells	384 wells	384 wells
Perimeter wells	84 wells	84 wells	N/A
Total wells	468 wells	468 wells	384 wells
Well shape	Round	Square	Square
Material	Cyclo-olefin polymer	Cyclo-olefin polymer	Cyclo-olefin polymer
Well side colour	Black, white or clear	Black, white or clear	Black, white or clear
Well bottom colour	Black, white or clear	Black, white or clear	Black, white or clear
Clear film thickness options, solid bottom thickness	100/200 micron film or 1000um solid bottom	100/200 micron film or 1000um solid bottom	100/200 micron film or 1000um solid bottom
Suitable for tissue culture	Yes	Yes	Yes
RF plasma and liquid surface treatments	Yes	Yes	Yes
Sterile	Available	Available	Available
Lid	Yes	Yes	Yes
Bar code label	1 bar code opposite A1	1 bar code opposite A1	1 bar code opposite A1
Microplate sealing	Yes	Yes	Yes
Dimensions (LxWxH)	127.75 x 85.50 x 10.40mm	127.75 x 85.50 x 14.53mm	127.75 x 85.50 x 14.53mm
Well spacing	4.50mm	4.50mm	4.50mm
ANSI-SBS 2004 standards	Meets 1,3,4	Meets 1,2,3,4	Meets 1,2,3,4
Well A1 column offset	12.12mm	12.12mm	12.12mm
Well A1 row offset	8.99mm	8.99mm	8.99mm
Well diameter at top/bottom	3.07mm/2.52mm	3.60mm/2.74mm	3.60mm/2.74mm
Well bottom style	Flat	Flat	Flat
Well depth	7.90mm	12.35mm	12.35mm
Microplate flatness	Within 100 microns	Within 100 microns	Within 100 microns
Well volume	48.94ul	126.39ul	126.39ul
Usable well volume	45.00ul	120.00ul	120.00ul
A1 corner evaporation control well position (column/row)	8.12mm x 4.99mm	8.12mm x 4.99mm	N/A
Evaporation control barrier usable well volume	25.00ul	60.00ul	N/A

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Description	1536 well straight sided	1536 well "flanged"	1536 LoBase	3456 well
Assay well density	1536 wells	1536 wells	1536 wells	3456 wells
Perimeter wells	164 wells	164 wells	N/A	244 wells
Total wells	1700 wells	1700 wells	1536 wells	3700 wells
Well shape	Round	Round	Square	Round
Material	Cyclo-olefin polymer	Cyclo-olefin polymer	Cyclo-olefin polymer	Cyclo-olefin polymer
Well side colour	Black, white or clear	Black, white or clear	Black, white or clear	Black, white or clear
Well bottom colour	Black, white or clear	Black, white or clear	Black, white or clear	Black, white or clear
Clear film thickness options, solid bottom thickness	100 micron film or 1000ul solid bottom	100 micron film or 1000ul solid bottom	100/200 micron film	100 micron film or 1000um solid bottom
Suitable for tissue culture	Yes	Yes	Yes	Yes
RF plasma and liquid surface treatments	Yes	Yes	Yes	Yes
Sterile	Available	Available	Available	Available
Lid	Yes	Yes	Yes	Yes
Bar code label	1 bar code opposite A1	1 bar code opposite A1	1 bar code opposite A1	1 bar code opposite A1
Microplate sealing	Yes	Yes	Yes	Yes
Dimensions (LxWxH)	127.75 x 85.50 x 8.50mm	127.75 x 85.50 x 8.50mm	127.75 x 85.50 x 8.00mm	127.75 x 85.50 x 8.50mm
Well spacing	2.25mm	2.25mm	2.25mm	1.5mm
ANSI-SBS 2004 standards	Meets 1,3,4	Meets 1,3,4	Meets 1,3,4	Meets 1,3,4
Well A1 column offset	11.00mm	11.00mm	11.00mm	10.675mm
Well A1 row offset	7.875mm	7.875mm	7.875mm	7.50mm
Well diameter at top/bottom	1.70mm/1.36mm	1.70mm/1.36mm	1.70mm/1.47mm	1.13mm/0.9mm
Well bottom style	Flat	Flat	Flat	Flat
Well depth	4.85mm	4.85mm	6.70mm	3.25mm
Microplate flatness	Within 250 microns	Within 250 microns	Within 150 microns	Within 250microns
Well volume	8.95ul	8.95ul	16.92ul	2.64ul
Usable well volume	8.75ul	8.75ul	15.00ul	2.40ul
A1 corner evaporation control well position (column/row)	8.75mm x 5.63mm	8.75mm x 5.63mm	N/A	9.175mm x 6.0mm
Evaporation control barrier usable well volume	5ul	5ul	N/A	1.5ul

FluidX reserve the right to update and change product information without notice.

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