HUMAN HEALTH

ENVIRONMENTAL HEALTH

BETTER MICROPLATES MEAN BETTER RESULTS

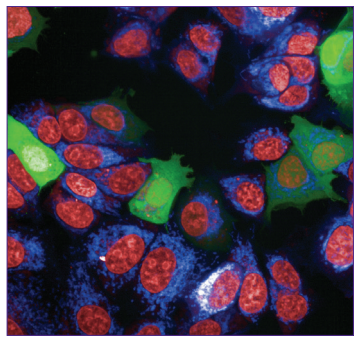
Microplates for High Content Screening

To get better results from your high content imaging system, you need better imaging microplates. Tried and tested, our range of microplates for high content screening produces the highest quality images and reliable results, time after time.

CellCarrier Ultra 384-well

Drawing on many years of experience in High Content Screening, PerkinElmer's expert team has developed and validated the CellCarrier™-384 Ultra microplates in black for optimal performance in high content imaging applications.

- Optimal clarity and fast autofocusing from excellent flatness of the plate bottom
- Superior image quality from high optical quality of cyclic olefin imaging surface
- Better well access when using water immersion and high NA objectives with ultra-low plate bottom
- Reduced evaporation from new design, low profile polystyrene lid
- Avoid damaging the imaging surface when stacking with unique corner spacers
- Available with different coatings to suit your application



FRET image acquired on the Opera Phenix™ High Content Screening System (63x objective) using the CellCarrier-384 Ultra microplate

PerkinElmer®
For the Better

	Well Area (mm^2)	Working Volume (µL)	Max Vol. (µL)	Bottom Thickness (µm)	Bottom Height (mm)	Refractive index of bottom	Coating	Part Numbers*
CellCarrier-384 Ultra (Cyclic Olefin)	10.6	25 - 100	145	188	0.2	1.53	TC-treated	6057300 - case of 50
								6057308 - case of 160
							PDL**	6057500 - case of 40
								6057508 - case of 160
							Collagen	6057700 - case of 40
								6057708 - case of 160
CellCarrier Spheroid ULA 96	6.35***	25-300	350	1.02	3.1	1.58	ULA	6055330 - case of 10
								6055334 - case of 40
CellCarrier-96 (Polystyrene)	34	50 - 340	390	190	3.31	1.58	TC-treated	6005550 - case of 40
								6005558 - case of 160
							PDL	6005450 - case of 40
								6005458 - case of 160
							Collagen	6005920 - case of 40
								6005928 - case of 160
CellCarrier-1536 (Polystyrene)	1.8	4-12	12	190	0.3	1.58	TC-treated	6004550 - case of 20
								6004558 - case of 80
							PDL	6004580 - case of 10
							Collagen	6004920 - case of 10
Glass Bottom ViewPlate-96	28.3	50 - 250	300	175	0.3	1.51	TC-treated	6005430 - case of 40
							PDL	6005530 - case of 8
							Collagen	6005720 - case of 8
ViewPlate-384 (Polystyrene)	10.9	10 - 100	135	190	2.9	1.58	TC-treated	6007460 - case of 40
							PDL	6007710 - case of 40
								6007718 - case of 160
							Collagen	6007810 - case of 40
								6007818 - case of 160
ViewPlate-1536 (Polystyrene)	1.8	4-12	12	75	1.9	1.58	TC-treated	6004460 - case of 40
							PDL	6004710 - case of 10
							Collagen	6004810 - case of 10

* Black-well, clear-bottom plates
** PDL: poly-D-lysine
*** Rounded well bottom
For sample plates, please contact PerkinElmer or your local sales representative.

CellCarrier

Designed for applications which require high resolution, the CellCarrier microplate has an imaging surface made from polystyrene for good quality imaging and cell adherence. It is a versatile plate for lower throughput screens or assay development and can be used with a range of different lenses.

ViewPlate

The ViewPlate™ provides a cost-effective solution for low magnification cell-based applications. Its polystyrene imaging surface ensures good cell adherence and its standard plate height allows for stacking and top-read aperture-based instruments.

A 96-well glass-bottomed ViewPlate is also available for applications which require greater optical quality, flatness and no auto-fluorescence. Its low plate bottom ensures good access to all wells when using water immersion objectives and high NA objectives.

Our imaging microplates are part of our complete solution for high content screening that includes the Opera Phenix™ High Content Screening (left) and Operetta® High Content Imaging Systems, software and automation.

Please contact your local sales representative for more information or visit www.perkinelmer.com/microplates

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011809A_01 April 2015