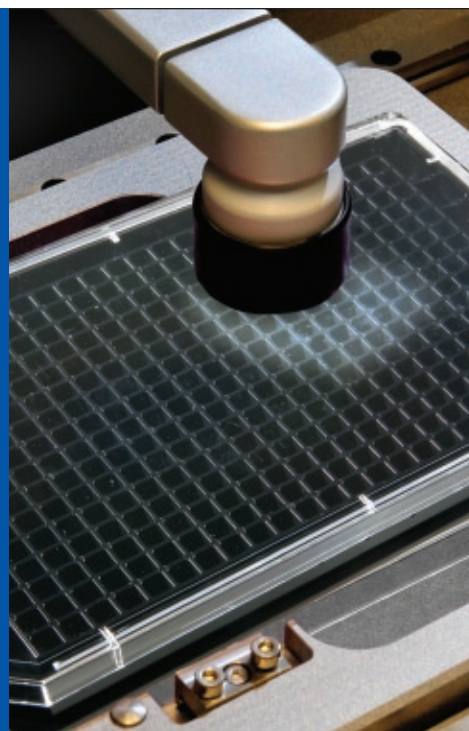


HUMAN HEALTH

ENVIRONMENTAL HEALTH

THE PERFECT MATCH FOR OPERA AND OPERETTA



CellCarrier™ microplates

Better Microplates Mean Better Results

To get the best results from your High Content Screening (HCS) system, you need the best imaging microplate.

Drawing on many years of experience in High Content Screening, PerkinElmer's expert team has developed and validated the CellCarrier range specifically for Opera® and Operetta®. These plates are also compatible with other High Content Screening instruments.

Tried and tested, CellCarrier microplates produce the highest quality images and reliable results, time after time.

- Excellent flatness and low auto-fluorescence leading to high signal-to-noise ratios
- Ultra low skirt makes 384 and 1536-well plates ideal for use with water immersion objectives and high NA objectives
- Thickness of plate bottom optimized for your HCS system
- Polystyrene bottom for high quality tissue culture treatment and good cell adherence
- Available in 96, 384 or 1536-well format, tissue culture treated and with a choice of Poly-D-Lysine (PDL) and Collagen type 1 coatings
- Custom service available for other coatings, barcoded plates and packaging

CUSTOMER TESTIMONIAL

"The CellCarrier plate is always our first choice for live cell imaging and any projects requiring sensitive fluorescence detection or high image resolution. Ideal for imaging with the water immersion lenses on the Opera, CellCarrier plates provide the best detection sensitivity and maximum throughput!"



*Professor David Andrews, Ph.D.,
McMaster University*



Opera HCS system



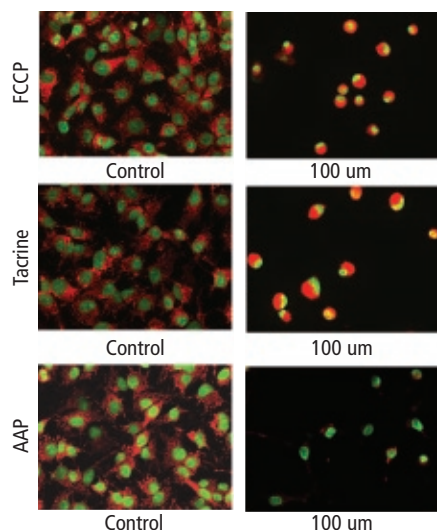
Operetta HCS system

Why not try the CellCarrier range for yourself?

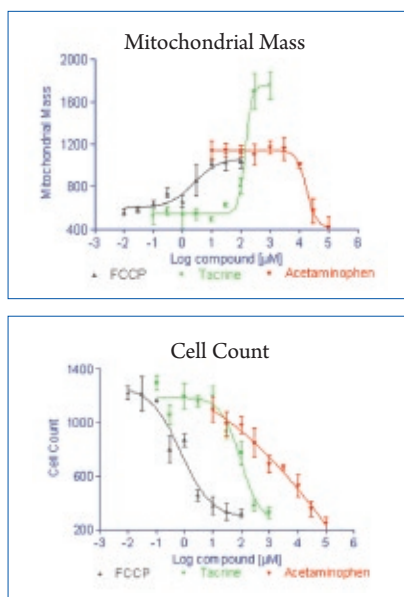
Request your FREE sample kit by visiting:

www.perkinelmer.com/imagingplates

CellCarrier plates help return clear, accurate images and data, every time.



Confocal images acquired on Opera with HepG2 cells using 20X water immersion objective and 384-well CellCarrier plates. Hoechst stained nuclei (green) and MitoTracker® Deep Red stained mitochondria (red) show significant changes of mitochondrial signal and loss of cells for all treatments.



Quantification of compound effects on cytotoxicity on the Opera High Content Screening system. FCCP, Tacrine and Acetaminophen-generated dose-response curves deduced from mitochondrial mass and cell count.

Part numbers and order details

PerkinElmer offers a range of tissue culture treated, sterile, black, clear bottomed microplates suitable for High Content Screening systems.

| Part Number | Plate description | # Plates |
|-------------|---|----------|
| 6005550 | CellCarrier-96 – NEW! | 40 |
| 6005558 | CellCarrier-96 – NEW! | 160 |
| 6005450 | CellCarrier-96 (PDL) – NEW! | 40 |
| 6005458 | CellCarrier-96 (PDL) – NEW! | 160 |
| 6005920 | CellCarrier-96 (Collagen) – NEW! | 40 |
| 6005928 | CellCarrier-96 (Collagen) – NEW! | 160 |
| 6007550 | CellCarrier-384 | 40 |
| 6007558 | CellCarrier-384 | 160 |

| Part Number | Plate description | # Plates |
|-------------|---|----------|
| 6007580 | CellCarrier-384 (PDL) | 40 |
| 6007588 | CellCarrier-384 (PDL) | 160 |
| 6007920 | CellCarrier-384 (Collagen) | 40 |
| 6007928 | CellCarrier-384 (Collagen) | 160 |
| 6004430 | CellCarrier-1536 (no lid, barcoded) | 20 |
| 6004439 | CellCarrier-1536 (no lid, barcoded) | 100 |
| 6004580 | CellCarrier-1536 (PDL) | 10 |
| 6004920 | CellCarrier-1536 (Collagen) – NEW! | 10 |

* All microplates include lids unless otherwise stated. Barcoding is a custom service.

Your Options

No matter which instrument you use, there is an imaging plate that's ideal for your application. Choose from our CellCarrier plate range or our ViewPlate family of thicker bottomed cellular imaging microplates.

| Plate type | Compatible instruments |
|---------------------------|---|
| CellCarrier-96 | Opera® and Operetta® (without water immersion objectives) |
| CellCarrier-384 and -1536 | Opera®, Operetta®, IN Cell Analyzer™, BD Pathway™, Thermo ArrayScan®, MDS Image Xpress™, Acumen Explorer™ |
| ViewPlate-96 | IN Cell Analyzer™ |
| ViewPlate-96 glass bottom | Opera®, Operetta®, IN Cell Analyzer™, BD Pathway™, Thermo ArrayScan®, MDS Image Xpress™, Acumen Explorer™ |
| ViewPlate-384 and -1536 | Opera® and Operetta® (without water immersion objectives) |

For more information on the PerkinElmer portfolio of microplates, please visit www.perkinelmer.com/microplates

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For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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