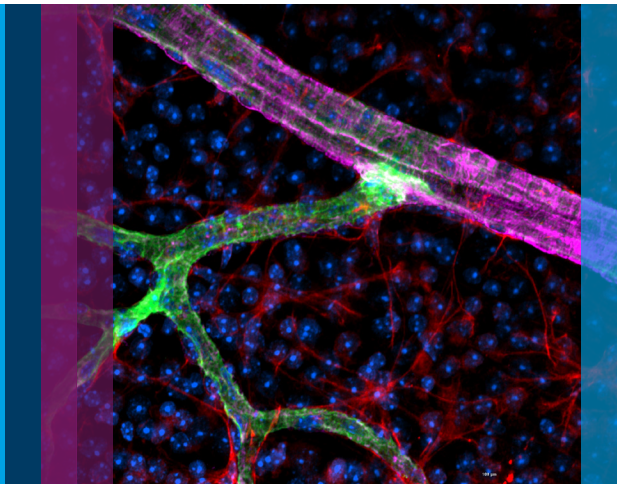
The Superior Choice for Observing Cellular Behavior

Agilent cell culture and imaging microplates for BioTek instruments



Maintain a consistent workflow and support cell growth and attachment while obtaining superior images

High-quality Agilent microplates provide superb optical clarity and comply with ANSI standards for compatibility with automated systems. Convenient features include easy stacking, alphanumeric well IDs, and well chimneys with corresponding condensation rings on each lid.

The benefits of Agilent cell culture and imaging plates are:

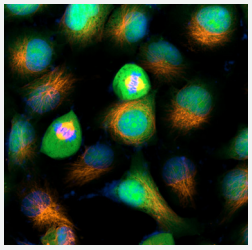
- InteroCyte Shadow-Free Imaging microplates enable a variety of label-free applications, such cell proliferation, cytotoxicity, and 2D wound healing.
- Thin micro clear polystyrene film bottoms maintains low autofluorescence and deliver optical clarity comparable to glass bottom plate, a clear advantage when performing assays requiring high magnification.
- All plates accommodate live-cell imaging and fixation techniques for diverse assays.
- 96- and 384-well formats accommodate many sample sizes and throughputs.
- Included lids maintain a sterile growth environment, minimizing the risk of cross-contamination.

Click here to download the high magnification fluorescent imaging technical overview.

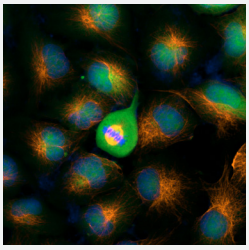
Click here to download the InteroCyte whole well shadow-free transmitted light imaging technical overview

Outstanding optical clarity: Comparison of cell images after cytoskeletal staining

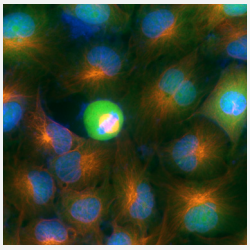
MCF7-GFP cells were stained for α-tubulin and nuclei (DAPI). Both glass-bottom and Agilent microplates produce similar high-quality images of mitotic MCF7 cells, in contrast, the thicker polystyrene plates have increased background and decreased clarity.



Competitor glass bottom (170 µm)



Agilent polystyrene 204626-100 (190 µm)



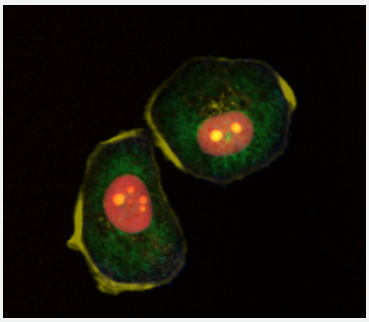
Competitor polystyrene (>250 µm)

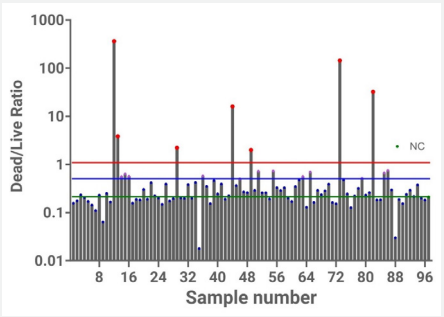
Agilent

Trusted Answers

High density 384-well plates for compound screening

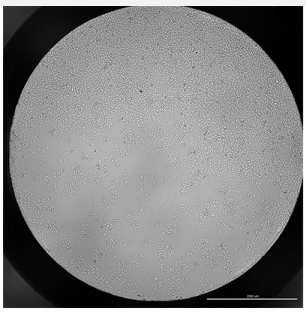
T47D-Red treated with compounds from a small molecule library to screen for potential cytotoxic effects. 40x confocal images also able to be taken in the plate to assess cell morphology.



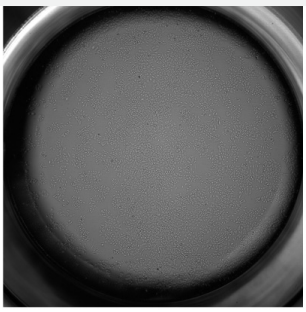


InteroCyte plates for full well, shadow-free transmitted light assays

The unique well design removes the liquid meniscus shadow from the imaged area, creating an equally illuminated image, and robust cell counting data.



4x image montage from InteroCyte plate



4x image montage from commonly used plate with column shaped well

Ordering information

Description		Part Number
InteroCyte shadow-free imaging microplate: 96-well polystyrene, tissue culture-treated, irradiated microplate, with low evaporation lid.		204973-100 205070-100
96-well high resolution imaging microplate: 96-well polystyrene, 190 µm film bottom, tissue culture-treated, irradiated microplate, with low evaporation lid.		204626-100
384-well high resolution imaging microplate: 384-well polystyrene, 190 µm film bottom, tissue culture-treated, irradiated microplate, with low evaporation lid.		204628-100

Related products

Agilent BioTek Cytation cell imaging multimode readers

Agilent BioTek BioSpa live cell analysis system

Agilent BioTek 406 FX washer dispenser

To learn more visit our website.
www.agilent.com/lifesciences/microplates-cci

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This information is subject to change without notice.

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