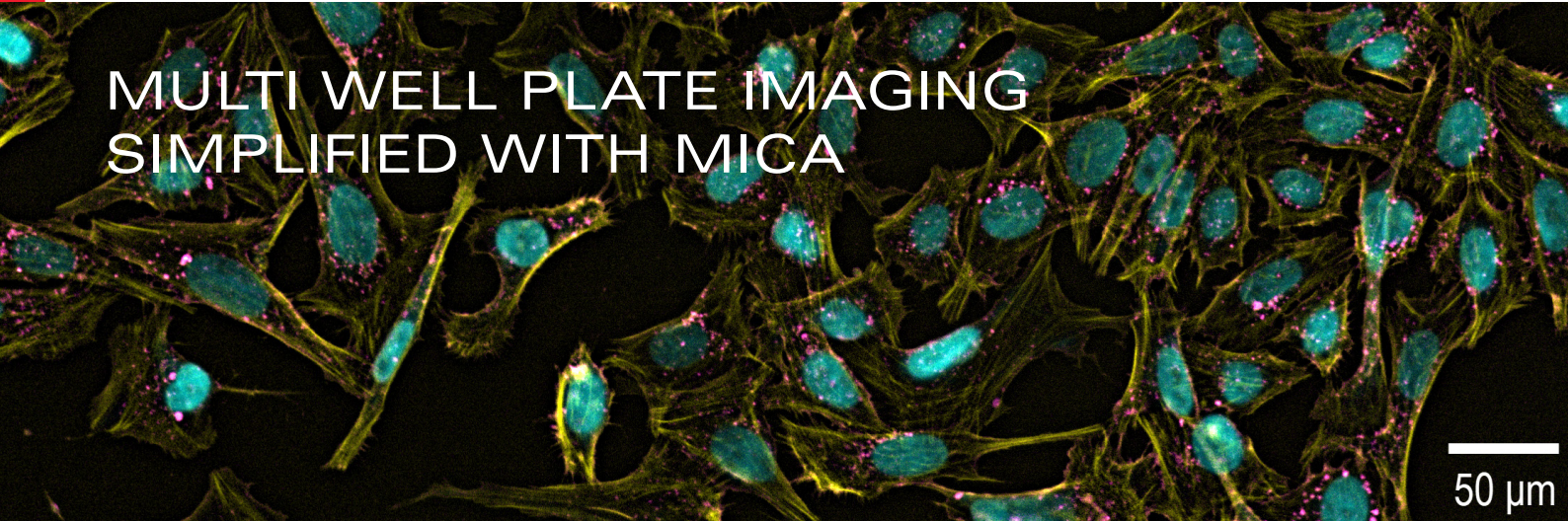


MULTI WELL PLATE IMAGING SIMPLIFIED WITH MICA



Everything you need, all in one system, to accelerate multi well plate imaging for life science research and early drug discovery.

Get up and running in half the time

- > Clear sample overview and intuitive set-up is ideal for users with limited microscopy expertise.
- > Easily define acquisition parameters and focus strategies with over 60% fewer workflow steps.

No compromise on carriers

- > Compatible with glass- and everyday standard polystyrene plastic-bottom carriers.
- > With an optimized long working distance objective you can focus deeper, capturing clearer images even with thicker or non-adherent samples.

4X more data, 100% correlation

- > Simultaneously capture four labels in a single acquisition for widefield or confocal—without moving the sample—with patented FluoSync technology.
- > 100% spatial and temporal correlation, every time.

Physiological-like imaging conditions

- > Combine widefield and confocal imaging inside a sample-protecting incubator.
- > Provides ideal conditions for long term live-cell experiments.

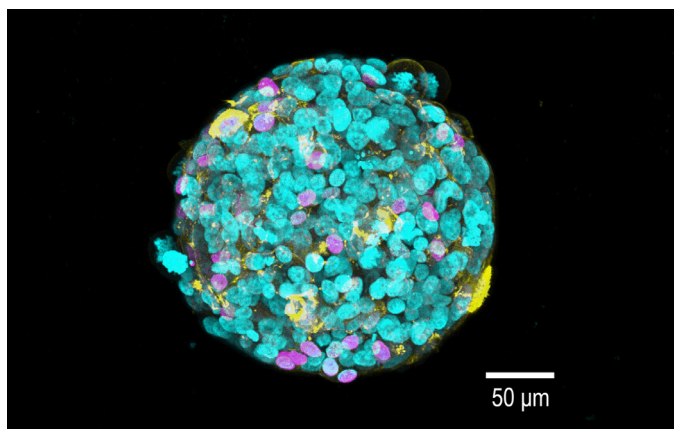


Figure 1: Spheroid on 1 mm polystyrene plastic-bottom multi well plate. Image acquired using a HC PL FLUOTAR L 20x/0.60 motCORR objective on Mica in confocal mode. Cells express variable levels of GFP-labeled histones (magenta) and actin-mCherry (yellow). Nuclei are stained with Hoechst (cyan); scale bar 50 μm.

Accelerate the Journey from Plate to Insight: Fast, Simple, Powered by AI

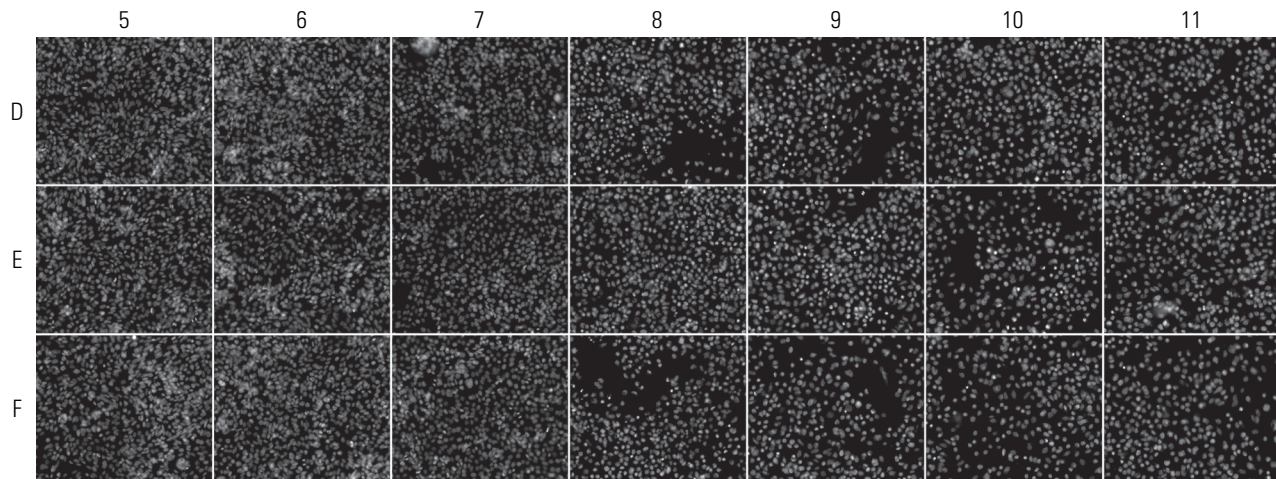


Figure 2: Colchicine-treated CHO cells (increasing concentration from left to right) imaged on a polystyrene plastic-bottom multi-well plate using Mica with a HC PL FLUOTAR L 20x/0.60 motCORR objective. Shown are montages of 1/4 of the FOV per well (D5–F11). Nuclei are stained with Hoechst 33342.

Mica’s intelligent automation, combined with Aivia-supported analysis (included as part of Mica), delivers a streamlined, end-to-end workflow which enables every scientist to rapidly unlock advanced, AI-powered insights from multi-well plate assays.

Your Benefits:

- > No coding or labour-intensive deep learning training required.
- > Get to insights from day one with ready-to-go workflows optimized for analysis of cell counting, apoptosis, live/dead assays, and more.
- > Easily achieve reproducible results across experiments by reusing settings, minimising user bias.
- > Consolidate and summarize results by wells, conditions, and plates to uncover relationships in your data at-a-glance.
- > Visualize assay outcomes with optimized interactive charts—including heatmaps and dose response curves—to enhance data interpretation and support informed decision making.

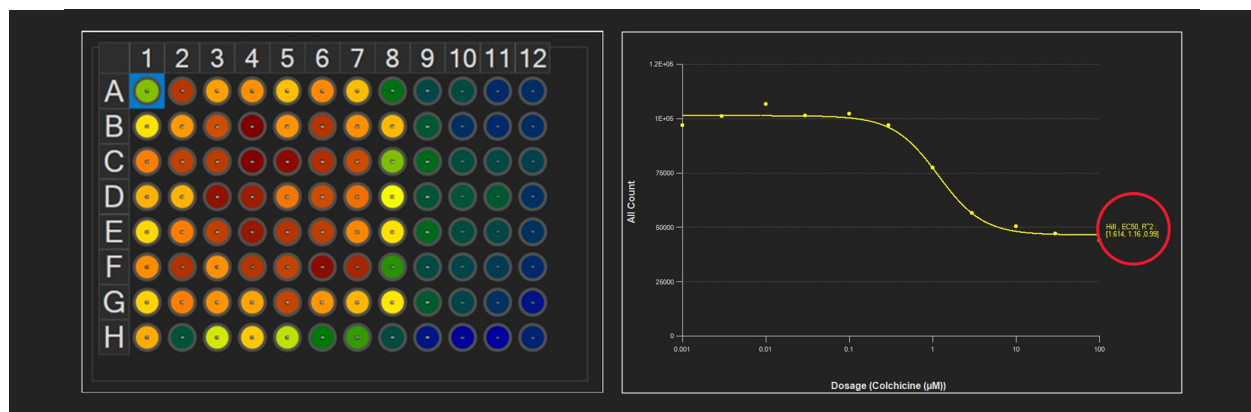


Figure 3: (Left) Analysis and visualization via heatmap of cell count (blue: low, red: high) of Colchicine-treated CHO cells (as shown in Figure 2). (Right) Same data shown as a dose-response-curve including quantification of EC_{50} value.

CONNECT
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