

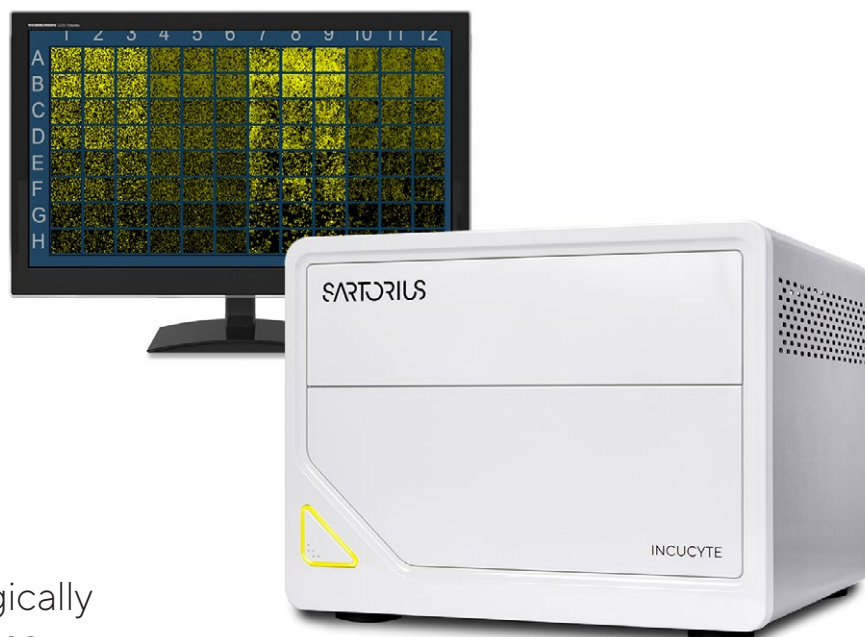
Incucyte® ATP Assay

Gain Unprecedented Access to Metabolic Changes

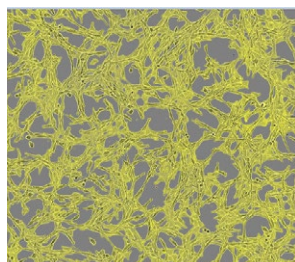
With the Incucyte ATP Assay, You Can...

- Express a novel, genetically encoded fluorescent ATP indicator
- Analyze cell-type specific ATP changes in advanced cell models
- Conduct temporal studies of ATP for greater biological insight
- Inspect changes in cell morphology with HD phase images at every time point

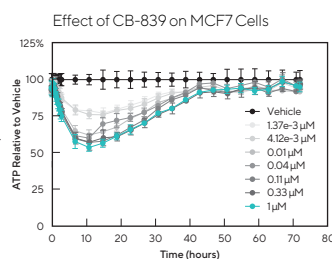
Measure and Visualize Dynamic Metabolic Changes in a Physiologically Relevant Environment with Purpose-Built Software Tools, Novel Reagents, and Guided Workflow.



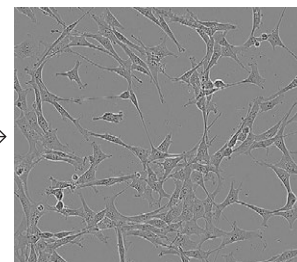
Infect cells with Incucyte CytoATP Lentivirus



Capture images over time



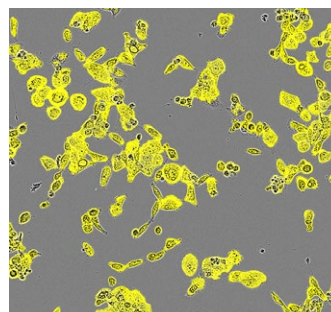
Quantify changes with integrated kinetic analysis



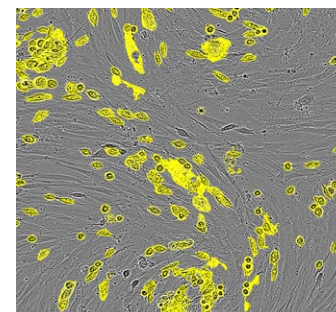
Associate changes in ATP metabolism with cell morphology

Distinguish Cell Type-Specific Metabolic Changes With Direct, Kinetic Measurements of ATP

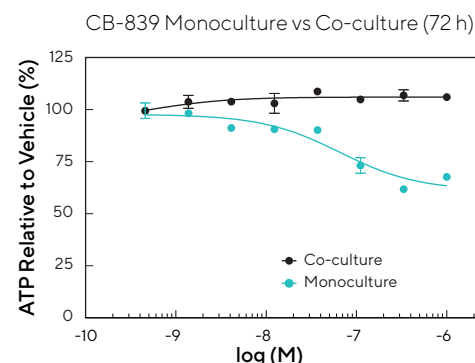
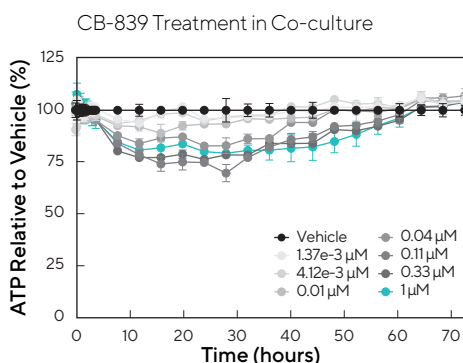
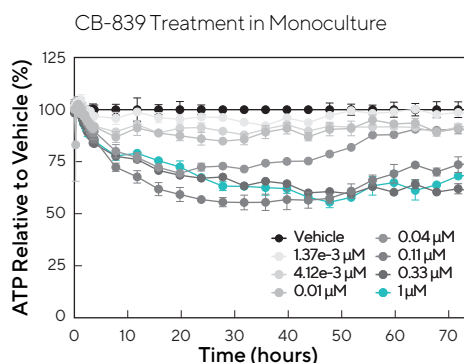
- Reveal dynamic changes of tumor environment through analysis of cytosolic ATP and integrated normalization
- Maximize your metabolic insight with fully automated kinetic analysis of the same population of cells in a physiologically relevant environment



Monoculture



Co-culture



The triple negative breast cancer (TNBC) cell line HCC1806 stably expressing CytoATP was seeded in the presence or absence of CCD14086SK fibroblasts. Identification of cellular changes in ATP (color scaled masking) is performed using the integrated Incucyte® ATP Analysis Software Module. Masked images provide visualization of ATP in HCC1806 cells treated with 1 μ M CB-839 in monoculture and co-culture with CCD14086SK cells. Data shows a sustained depletion of ATP in monoculture following CB-839 treatment, however, co-culture with stromal cells mediated resistance to CB-839.

Find out more:

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