Screening and Profiling - The Added Value of High Content Imaging

Get deeper insights into cell physiology and diversity with multifaceted imaging measurements
Capture and store 300+ image-based data points
Revisit data as drug candidate moves through the pipeline
Layer and score drug effects with image mediated screens
Identify and validate morphological and phenotypic changes

Level up your oncology screens with well-established model banks combined with HCI and automation capabilities.
Capture detailed in vitro data early on and leverage that data through to in vivo matched models downstream

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**Dose Response Readouts**

Capture phenotypic and morphologic data early on
Choose traditional CTG readouts or HCI generated nuclei count to establish dose curves at the start. When capturing available nuclei count, with HCI, 300+ phenotypic profile data points are also captured and stored. That data can be revisited anytime downstream without running another screen.

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**Adding Visibility to Efficacy Panels**

Get the full picture when combining HCI measurements with your dose-response curve
Discover clinically-actionable biomarkers of drug response and important drug effects

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**Automation and HCI in Drug Combination Screens**

Reveal more synergistic effects by visualizing large-scale drug combination datasets
Quantify phenotypic changes and matrixed response measurements. Identify Drug Combination Dosing with 3D Model Based Panels.

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**The Power of HCI in Immuno-Oncology**

Attain accurate, high throughput analysis of the tumor-immune interplay in a physiologically and translationally relevant environment.

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**3D and 2D Cultures Available**

Dependent on model, cultures are derived from cell lines, PDX materials, or fresh patient tumor tissue samples

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**Get in touch**

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