

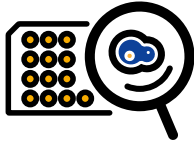
Spica M1

OPENING THE DOOR TO YOUR LIVE CELL ANALYSIS



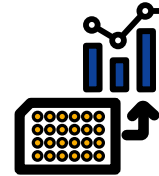
A Tool For Every Lab

Our goal is to empower biological researchers worldwide to explore the dynamic world of living cells with advanced live cell imaging and analysis tools.



Incubator-Friendly for Optimal Cell Health.

Fits directly inside any standard incubator, ensuring physiological conditions for reliable long-term imaging.



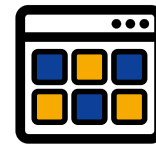
Seamless Imaging to Analysis, All in One.

Integrated software streamlines your entire workflow, from acquisition to visualization. No need for multiple programs or extra costs.



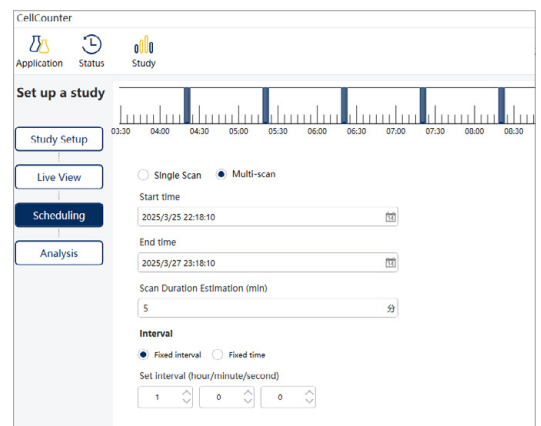
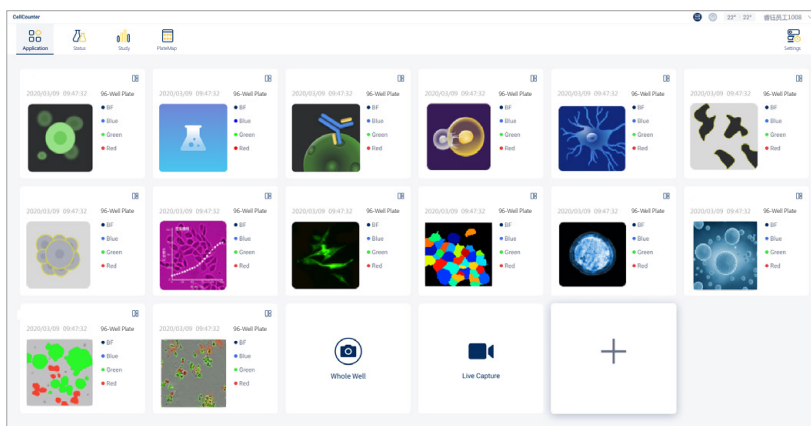
Monitor Experiments from Anywhere, Anytime.

Stay connected to your ongoing experiments and track critical cellular events remotely, increasing flexibility and efficiency.



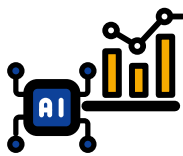
Ready-to-Go Assays.

Start experiments faster with pre-set parameters for common applications and ensure consistent, reliable data for all users.



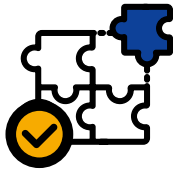
Unparalleled Flexibility for Diverse Live Cell Assays

In the dynamic world of cell biology research, the ability to adapt and explore diverse scientific questions is paramount. Spica's built-in flexibility enables seamless transitions between different assays, allowing investigation of multiple cellular processes with existing tools in your own laboratory.



Unlock Deeper Insights from Complex Assays.

Our integrated AI analysis tools efficiently process various datasets to uncover insights. They enable quick identification of key features and automated quantification, even in complex experiments that traditional methods struggle to analyze.



Support a Spectrum of Assays.

Image various cell types and markers simultaneously with multiple channels, observe at different scales with flexible magnification and utilize your preferred lab consumables.



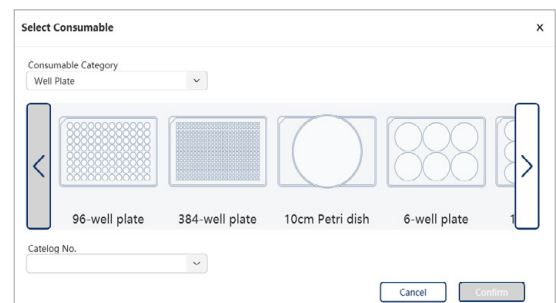
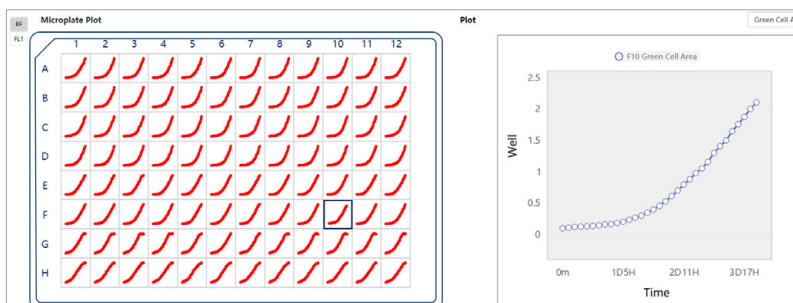
Tailor Experiments to Your Specific Research.

Customize imaging parameters and analysis metrics to meet the unique demands of your diverse assays, providing the exact data you need.



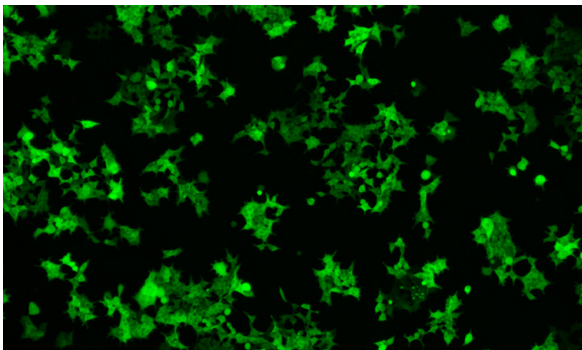
Capture Transient Events on Demand.

Live Capture Mode allows easy observation and recording of dynamic, short-lived cellular processes in real time, providing immediate insights into critical biological events.



A Wide Range of Supported Assays

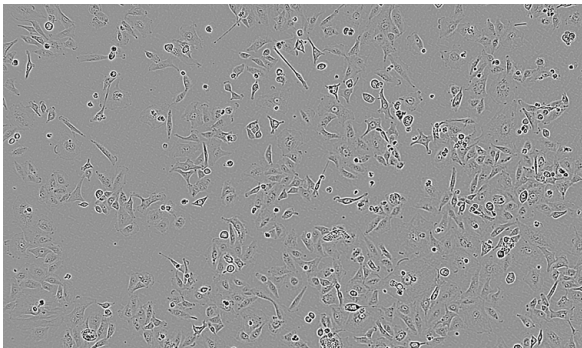
- Cell Culture QC
- Proliferation
- Scratch Wound
- Apoptosis
- Cytotoxicity
- Transfection Efficiency
- Reporter Genes
- Organoid Growth
- Immune Cell Killing
- Tumor Spheroid



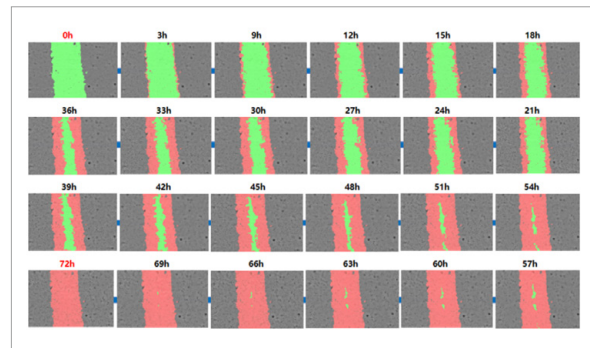
Transfection Efficiency



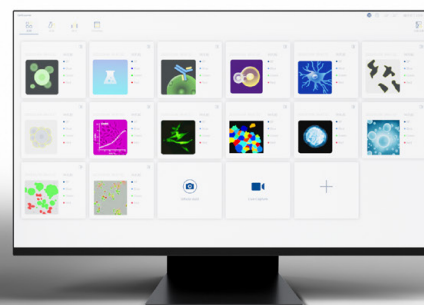
Tumor Spheroid



Proliferation



Scratch Wound



Tech. Spec.

Camera	High-sensitivity CMOS camera, 3200 × 2200, 7.1MP
Fluorescence Channel	Ex: 375/28 Em: 430/30nm Ex: 470/20 Em: 515/40nm Ex: 560/25 Em: 630/70nm
Optical Magnification And Resolution	7.5x: 0.6μm/pixel 10x: 0.45μm/pixel 15x: 0.3μm/pixel
Field Of View	7.5x: 1.92 × 1.32mm 10x: 1.44 × 0.99mm 15x: 0.96 × 0.66mm
Focus Mode	Laser focus and image-based focus
Imaging Mode	Bright-field microscopy, Fluorescence microscopy, Z-axis layer scanning
Supported Consumables	6-384 well plates, 35/60/100mm dishes, T25/T75 flasks, organ-on-a-chip microfluidic chips
Analysis Algorithms	AI image analysis, conventional image processing
Exported Video Format	AVI, MP4
Exported Image Format	JPEG, TIFF, BMP, PNG
Exported Data Format	XLSX, CSV
Dimensions	300(L) × 300(W) × 337(H) mm
Computer Recommendations	OS: Win10/11 Pro CPU: i7-13700/ i7-14700 or higher RAM: 128G or more GPU: NVIDIA 4060 with 8G of VRAM or more Storage: 4T SSD, 8T HDD or more

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