

countstar

Spica M1

Open the Door to Your Live Cell Analysis



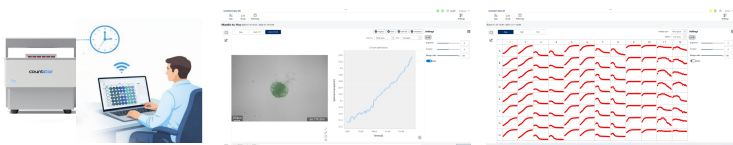
Integrated Vision: Intelligent Hardware

- **Incubator-Native Imaging:** Automated capture from inside your incubator ensures precise environmental control and healthier cells.
- **Multi-Marker Clarity:** Utilize three fluorescence channels to combine markers and quantify complex phenotypes simultaneously.
- **Universal Compatibility:** One system supports 6–384 well plates, dishes, flasks, and organ-on-a-chip formats.

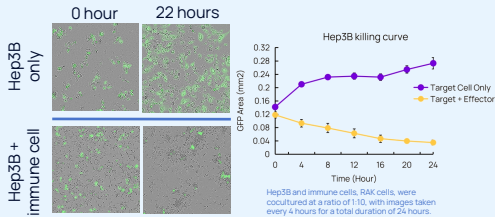


Dynamic Insights: Real-Time Analysis

- **Actionable Data:** Move from raw images to quantitative results instantly as your experiment runs.
- **Kinetic Resolution:** Resolve the timing of cell killing and migration with automated comparison of treatment effects across wells.
- **Secure Remote Control:** Access your lab from anywhere to monitor experiments and adjust schedules in real-time.



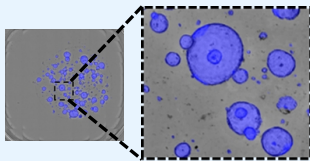
Immune cell killing



Follow immune cell killing in real time

Monitor killing kinetics — from CAR-T and NK cells and beyond — without disturbing co-cultures, enabling reliable comparison of effector-to-target ratios and treatment conditions across wells.

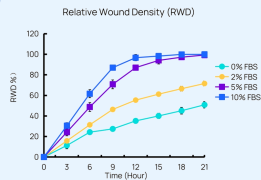
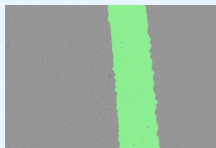
3D Spheroids & Organoids



Track growth and morphology of 3D cultures over time

Spheroids, organoids, heterogeneous 3D structures — all in focus, every time. Track formation, growth, and treatment response regardless of morphology or complexity.

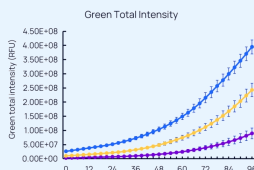
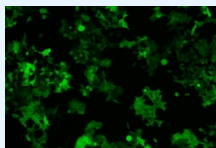
Wound Healing



Quantify cell migration in scratch assays

Monitor wound closure over time and compare migration rates across treatments using automated image analysis.

Transfection Efficiency

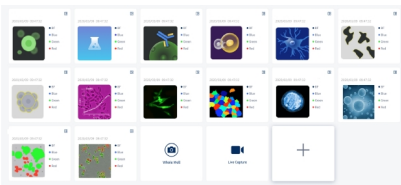
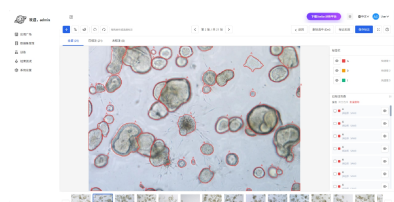


Measure transfection efficiency with ease

Monitor reporter expression in real time and extract multiple quantitative metrics from a single, automated assay.

Unified Intelligence: The Stellar AI Platform

- **Label-Free Analysis:** Track proliferation and verify cell health in real-time without the need for toxic dyes.
- **User-Guided Training:** Train the AI in clicks to recognize specific structures even in "dirty" samples with debris or impurities.
- **Ready-Made BioApps:** Deploy instant workflows for wound healing, cytotoxicity, and transfection efficiency.



Technical Specification

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
Supported Consumables	6-384 well plates 35/60/100mm dishes T25/T75 flasks
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