

# Incucyte®

Empower Live-Cell Analysis  
Inside Your Incubator



## Product Information

Analyze your cells for days, weeks or even months as they sit stationary in the stable environment of your tissue culture incubator. With Incucyte's user-friendly interface and robust instrument portfolio, any cell biologist can gain dynamic insights into the health, morphology, movement and function of their cell models.

Incucyte offers a range of systems to meet your needs and budget. From our workhorse, the Incucyte S3, to our economical SX1, to the newest member, the frontier-breaking SX5, we deliver real-time insights to simplify progress for labs of any size.

# Key Incucyte® Specifications

		SX5	S3	SX1
<b>Capacity and Vesselware Compatibility</b>  (1) 3 microplate trays included for SX5 and S3. Purchase separately for SX1. (2) Trays available for purchase separately. See our latest vessel compatibility list for full details.	Interchangeable Trays	3	3	1
	Microplate Capacity	6	6	2
	Microplate Compatibility	6, 12, 24, 48, 96, & 384 well (1)		
	Flask Compatibility	T-25, T-50, T-75, T-100, T-175, T-225 (2)		
	Other Labware Compatibility	35mm, 60mm, 100mm, 150mm dishes, and chamber slides (2)		
<b>Optical System</b>	Total Fluorescence Channels	Up to 5	2	2
	▪ Green/Orange/NIR Optical Module	included	N/A	N/A
	▪ Green/Red Optical Module	optional	included	included
	▪ Metabolism Optical Module	optional	N/A	N/A
	Label-Free, HD Phase Imaging	■	■	■
	Objectives	4x, 10x, 20x included		4x, 10x, or 20x purchase separately
	Objective Automation	Automated turret		Manual setting in software to switch
<b>Multi-user Support</b>	Remote Network Capability	■	■	■
	Unlimited, free user licenses	■	■	■
	Independent Vessel Scheduling	■	■	N/A
	Multi-objective Scheduling	■	■	N/A
<b>Incubation</b>	All systems leverage the stable incubation of a tissue culture incubator			
	Incubator size	>200 L required	>200 L recommended	>200 L recommended
	Incubation to 42 °C	■	■	■
<b>Computing and Storage</b>	Operating System	64-bit Windows 10		
	Controller Data Storage	27.3 TB	16.4 TB	16.4 TB
	Expandable RAID Storage	Add an additional 32.7 TB of storage with Incustore		
	Controller Memory	64GB	48 GB	48 GB
<b>Software Module Compatibility</b>  All software modules sold separately.	Incucyte® Cell-by-Cell Analysis	■	■	■
	Incucyte® Spheroid Analysis	■	■	■
	Incucyte® Scratch Wound Analysis	■	■	■
	Incucyte® Chemotaxis Analysis	■	■	■
	Incucyte® Neurotrack Analysis	■	■	■
	Incucyte® Neuronal Activity Analysis	■		
	Incucyte® Angiogenesis Analysis	■	■	■
	Incucyte® ATP Analysis <b>New</b>	■		

# Incucyte® Application Compatibility

	Application	SX5	S3	SX1
Cell Health and Proliferation	Confluence	■	■	■
	Cell-by-Cell Analysis Adherent*	■	■	■
	Cell-By-Cell Analysis Non-adherent*	■	■	■
	Apoptosis†	■	■	■
	Cytotoxicity	■	■	■
	Single Spheroid*	■	■	■
	Multi-Spheroid*	■	■	■
	Cell Cycle†	■	■	■
	ATP Metabolism*	■		
Cell Function	Immune Cell Killing†	■	■	■
	Antibody Internalization†	■	■	■
	Phagocytosis	■	■	■
	NETosis	■	■	■
	Neuronal Activity*	■		
	Angiogenesis*	■	■	■
	Live-Cell Immunocytochemistry†	■	■	■
Cell Movement and Morphology	Chemotaxis*	■	■	■
	Scratch Wound*	■	■	■
	Immune Cell Clustering and Proliferation†	■	■	■
	Neurite Outgrowth*	■	■	■
Cell Culture Workflows	Cell Culture QC	■	■	■
	Dilution Cloning	■	■	■
	Whole Well	■	■	■
	Reporter Genes†	■	■	■
	Stem Cell Monitoring and Reprogramming	■	■	■
	Transfection Efficiency†	■	■	■

\* Requires software module

† Additional software available for enhanced analysis

# Sales and Service Contacts

For further contacts, visit  
[www.sartorius.com/incucyte](http://www.sartorius.com/incucyte)

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