Incucyte®
Empower Live-Cell Analysis
Inside Your Incubator
Whether you simply want to improve experimental outcomes with enhanced cell culture quality control, or study complex cell-cell interactions, the Incucyte can meet your needs. Seamlessly transition from one step in your workflow to the next with interchangeable trays to support tissue culture flasks, dishes, or multi-well plates.

**Insight and Accuracy at Every Step**

- **Ask new questions**
  - Explore both routine and complex questions with a single flexible platform.
  - Devise new experiments with up to five live-cell fluorescence channels plus HD phase imaging.

- **Protect Your Cells**
  - Leave cells undisturbed and stationary in the incubator during analysis.
  - Maintain cell health and reduce artifacts with specially-formulated live-cell reagents or label-free assays.

- **Get New Answers**
  - Never miss a data point with real-time continuous analysis.
  - Profile cell type-specific and time-dependent biological activity.

- **Improve Productivity**
  - Accommodate multiple users and applications in up to six microplates in parallel.
  - View experiments live from any networked PC, with unlimited user licenses.

**Comparison of typical cell workflows using traditional end-point and real-time cell analysis methods.** With real-time analysis, observations and measurements are generated throughout the cell culture workflow, in addition to the phenotypic parameters in the assay.

- **Culture**
- **Manipulate**
- **Assay**

**Probe phenotypic parameters**
- Enjoy walk-away convenience with automated image acquisition and analysis.
- Multiplex measurements in 96- and 384-well assay formats.

**Find out more**
For more information, please visit 
www.sartorius.com/Incucyte
Push the Boundaries of Research and Development

Incucyte’s suite of applications can fast-track your next discovery. Rapidly generate new insights with a system designed for a range of cell types – from proliferating tumor cells to non-adherent immune cells to sensitive primary cells. Incucyte’s design features a fixed sample stage and uninterrupted incubation for minimal disturbance to precious cells.

Find out more
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Around-the-Clock Analysis
With Incucyte’s Powerful, Automated Workflow,
Research Continues Day and Night.

1. Simple, Flexible Sample Prep
   - Reduce troubleshooting with lab-tested protocols.
   - Reduce artifacts with Incucyte’s non-perturbing live-cell reagents.

2. Set up and Walk Away
   - User-friendly, guided experimental setup.
   - Compatible with over 600 vessels.

3. Acquire and View Images Over Time
   - Choose from up to five fluorescence channels combined with HD phase.
   - Vessel View for quick visual survey of results.

4. Analyze in Real Time
   - Efficient and reproducible image analysis.
   - Powerful visualization of images and kinetic measurements, including IC50.
   - Monitor your work from anywhere with secure remote software access.

Find out more
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Incucyte® System Portfolio
A Range of Systems to Meet Varied Needs and Budgets

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.

Support an entire research team via concurrent, remote network access. Make real-time decisions from the comfort of your office or home.

Incucyte® SX5
Leading the Way With Living Cells.

More Colors.
More Insights.
More Possibilities.

Go Where Your Research Takes You
See more information in every sample and explore more applications. Leverage up to 5 different fluorescence channels, up to 3 at a time, for long term time-lapse experiments.

Study complex immune-tumor cell interactions, synaptic activity in neuronal co-cultures, metabolism in cancer cells, and much more — with a single platform.

Our new 3-color, patent-pending optical module includes a long wavelength, low phototoxicity NIR channel and optimized reagents for turnkey 3-color applications.

Key Features
- Our most advanced application offering
- Multi-user support
- Up to 5 different fluorescent channels, up to 3 simultaneously.
- 4x, 10x, 20x objectives on an automated turret.
- Support for 3 interchangeable vessel trays and over 600 vessels, up to 6 microplates in parallel.

Find out more
For more information, please visit www.sartorius.com/Incucyte
Incucyte® S3
See What Your Cells Are Doing and When They Do It.

Our flexible assay platform sits inside a standard tissue culture incubator, analyzing even the most sensitive living cells, around the clock, for days, weeks, or months.

This workhorse can support your team throughout the cell culture workflow, from cell culture QC, to cell manipulation, to microplate assays. Plus all users can remotely view experiments as they unfold.

Key Features
- Robust application suite.
- Multi-user support.
- Two-color Red/Green OR Orange/NIR fluorescence plus HD Phase imaging.
- 4x, 10x, 20x objectives on an automated turret.
- Support for 3 interchangeable vessel trays and over 600 vessels, up to 6 microplates in parallel.

Incucyte® SX1
An Economical Choice for Live-Cell Analysis.

Designed with the small lab in mind, the Incucyte SX1 empowers your cell culture workflow. Never miss important insights again. Seamlessly transition from cell culture QC to assay with interchangeable trays for tissue culture flasks, dishes, or multi-well plates.

Key Features
- Robust application suite.
- Two-color Red/Green fluorescence plus HD Phase imaging.
- 4x, 10x, or 20x objectives, single position use.
- Interchangeable tray to support over 600 vessels, up to 2 microplates in parallel.

Find out more
For more information, please visit www.sartorius.com/Incucyte
Incucyte® Ordering Information

Live-Cell Analysis Systems & Accessories

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<tr>
<th>Product</th>
<th>Description</th>
<th>Cat. No.</th>
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<tr>
<td>All Incucyte® Live Cell Analysis Systems include:</td>
<td>Unlimited software licenses for standard acquisition and basic analyzer (additional modules are required for certain applications). One year manufacturer’s software and service warranty. Onsite installation and training.</td>
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<tr>
<td>Incucyte® SX5 Live-Cell Analysis System*</td>
<td>Includes image acquisition and analysis system with: HD Phase/Green/Orange/Near IR Optical Module. 4x, 10x, and 20x objectives on an automated turret. Controller with 27TB storage.</td>
<td>4816</td>
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<tr>
<td>Incucyte® S3 Live-Cell Analysis System</td>
<td>Includes image acquisition and analysis system with: HD Phase/Green/Red Optical Module. 4x, 10x, and 20x objectives on an automated turret. Controller with 16 TB storage.</td>
<td>4647</td>
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<tr>
<td>Incucyte® S3 Live-Cell Analysis System for Neuroscience</td>
<td>Includes image acquisition and analysis system with: HD Phase/Orange/Near IR Optical Module. 4x, 10x, and 20x objectives. Controller with 16 TB storage.</td>
<td>4673</td>
</tr>
<tr>
<td>Incucyte® SX1 Live-Cell Analysis System</td>
<td>Includes image acquisition and analysis system with: HD Phase/Green/Red Optical Module. Controller with 16 TB storage. Minimum of one objective and one tray must be purchased separately.</td>
<td>4788</td>
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<tr>
<td>Incustore® Storage Unit</td>
<td>Additional 33 TB storage for Incucyte SX5, S3 or SX1</td>
<td>4689</td>
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*additional optical modules available, please contact your technical sales specialist

Software Modules

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<tr>
<td>Incucyte® Cell-by-Cell Software Module</td>
<td>Perform label-free cell counts and subsequent classification and analysis of cell subsets over time.</td>
<td>9600-0031</td>
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<tr>
<td>Incucyte® Spheroid Software Module</td>
<td>Quantify spheroid growth, health, and invasion over time.</td>
<td>9600-0019</td>
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<tr>
<td>Incucyte® Cell Migration Software Module</td>
<td>Quantify cell movement into cell-free zones (requires Woundmaker and Imagelock plates).</td>
<td>9600-0012</td>
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<tr>
<td>Incucyte® Chemotaxis Software Module</td>
<td>Quantify the dynamics of chemotactic migration (requires Clearview™ Chemotaxis plates).</td>
<td>9600-0015</td>
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<tr>
<td>Incucyte® Neurotrack Software Module</td>
<td>Quantify the dynamics of neurite outgrowth.</td>
<td>9600-0010</td>
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<tr>
<td>Incucyte® Neuronal Activity Software Module</td>
<td>Quantify the dynamics of neuronal activity.</td>
<td>9600-0032</td>
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<tr>
<td>Incucyte® Angiogenesis Software Module</td>
<td>Quantify the dynamics of tube formation during angiogenesis.</td>
<td>9600-0011</td>
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<tr>
<td>Incucyte® ATP Analysis Software Module</td>
<td>Quantify cell type-specific ATP content over time.</td>
<td>9600-0033</td>
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Harness the power of live-cell analysis with a full range of Incucyte reagents and consumables to revolutionize the way you quantify cell behavior. To view a complete listing of our reagents and consumables visit: www.essenbioscience.com/reagent

Sales and Service Contacts

For further contacts, visit www.sartorius.com/Incucyte

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