

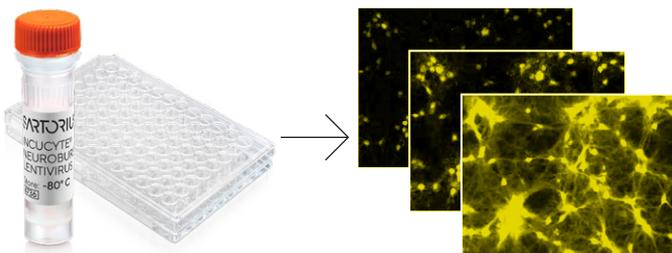
Incucyte[®] Neuronal Activity Assay

Gain Crucial Functional Insight Into the Long-Term Changes of Neuronal Activity using Incucyte[®] Live-Cell Analysis

With the Incucyte[®] Neuronal Activity Assay, You Can...

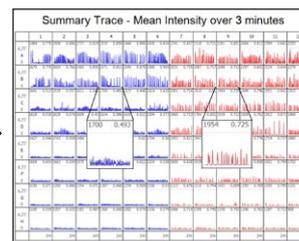
- Express a genetically-encoded fluorescent calcium indicator
- Capture and analyze calcium dynamics from thousands of cells
- Conduct chronic studies of activity without perturbing or disturbing cells
- Gain unprecedented access to phenotypic information with an end-to-end solution

Analyze and visualize changes in neuronal cell activity and connectivity over weeks or even months with our lab-tested live-cell reagent, established protocol and easy-to-use software.

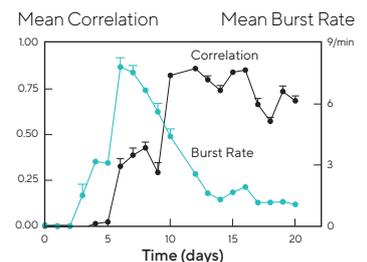


Infect neurons in mono- or co-culture with Incucyte[®] Neuroburst Orange

Capture short-term, calcium-flux kinetics



Quantify burst rate of active neurons in every movie and assess morphology.



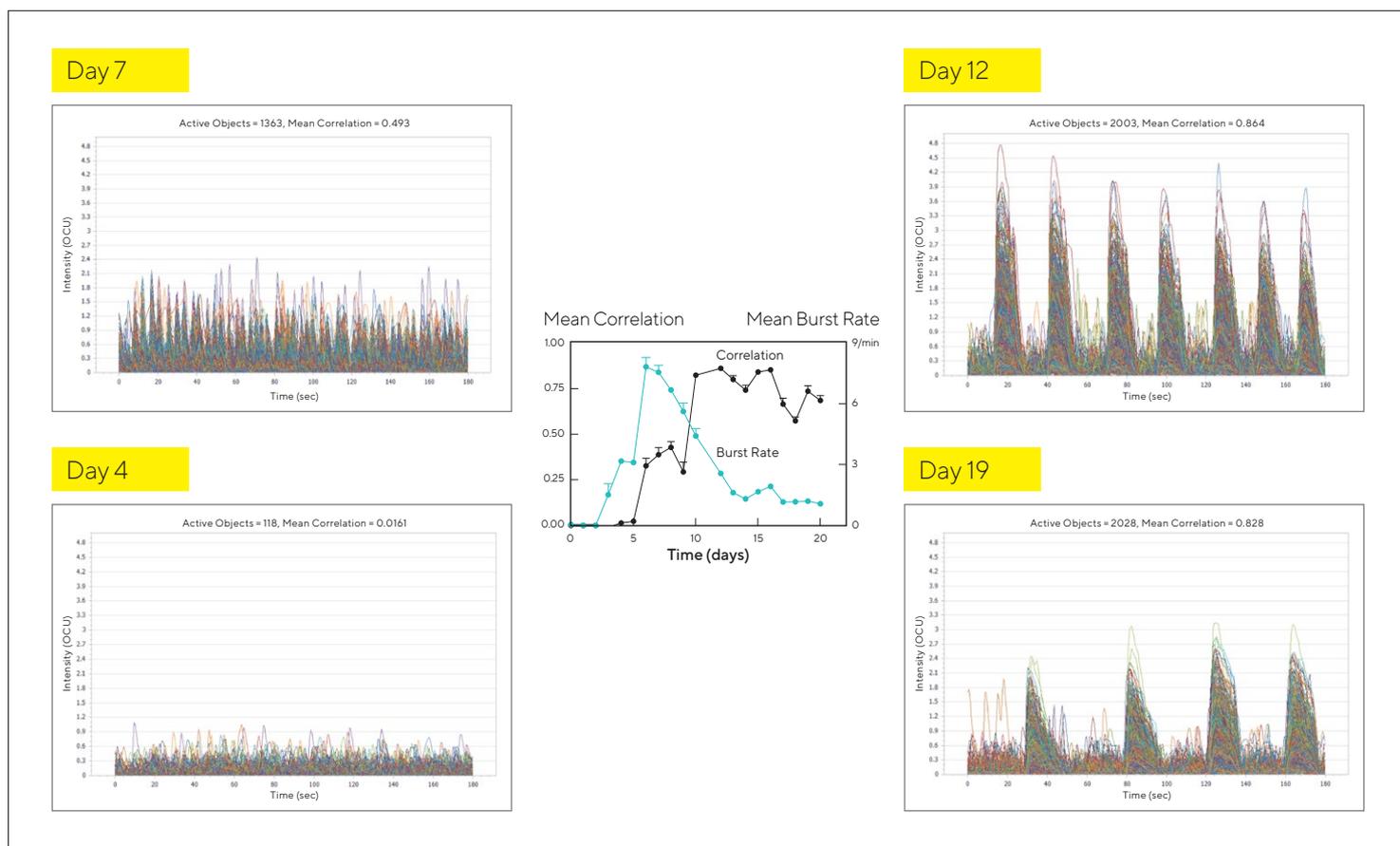
Interrogate dynamic changes in the same population of cells

Increase Statistical Rigor and Characterize Long-Term Dynamic Changes in Neuronal Activity and Connectivity

Find out more
View over 3,000 publications at
www.essenbioscience.com/publications

Visit our online store
We've made ordering reagents much easier!
shop.incucyte.com

Gain crucial functional insight. Monitor changes in activity over weeks or months for every active cell within every well of a 96-well plate.



Find out more:
www.sartorius.com/incucyte

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Ordering Information

Product	Description	Cat. No.
Incucyte® SX5 Live-Cell Analysis System	Includes image acquisition and analysis system with: ■ 4X, 10X, and 20X objectives ■ Controller with 16.4 TB storage	4763
Incucyte® Neuronal Activity Analysis Software Module	Enables microplate analysis of neuronal activity via fluorescent calcium detection and movie mode acquisition.	9600-0032
Incucyte® Neuroburst Orange Lentivirus	Live-cell neuronal labeling reagent for long-term expression of a fluorescent genetically-encoded calcium indicator.	4736

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