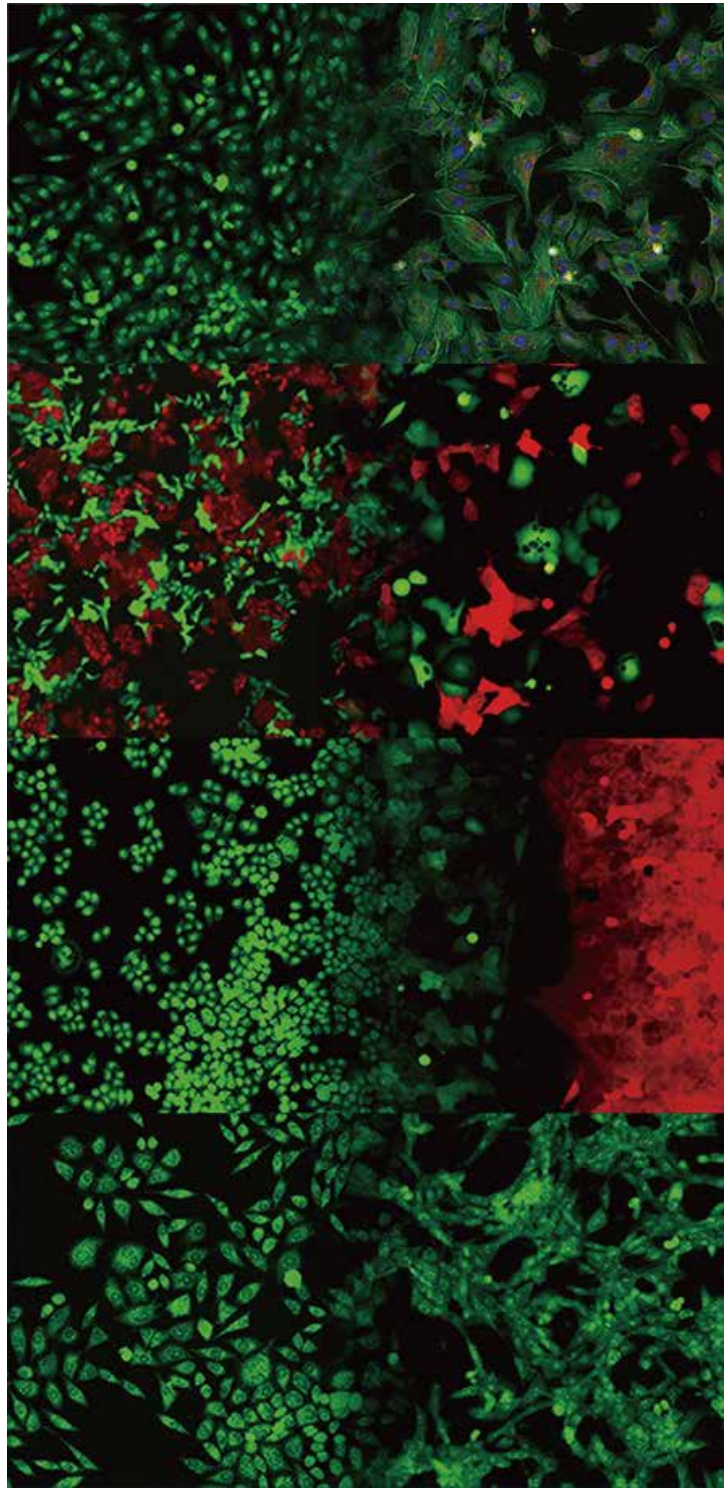
JuLI™ Stage

Real-time live cell imaging system

See the whole story,
Do not miss a moment of your cells.



NanoEntek

See what happened inside an incubator with JuLI™ Stage

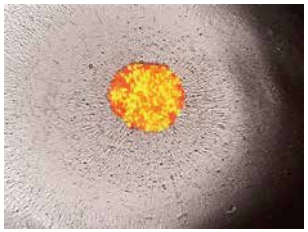
"You can do experiments without any limitation inside your incubator."

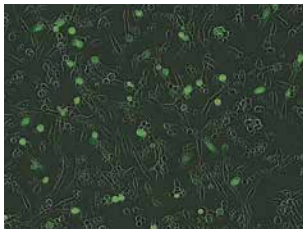
- Compact and compatible with a standard CO_2 incubator
- Fully automated X-Y-Z stage
- Multi-channel fluorescence imaging
- Easy & powerful software
- Take and analyze images in real time

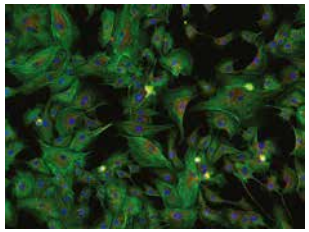
APPLICATIONS

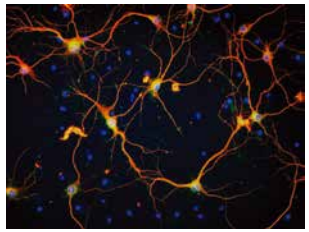
Click here
www.julistage.com/applications/

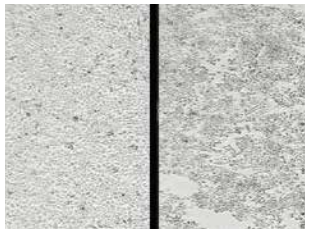
What you can do with JuLI Stage

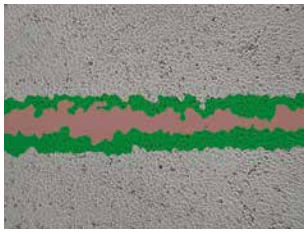

Spheroids

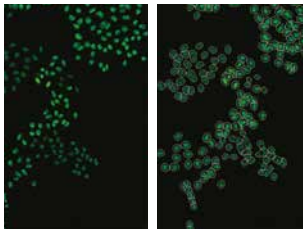

Apoptosis


Cellular localization

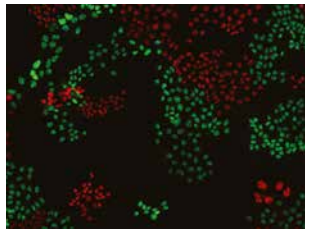

Neurite growth

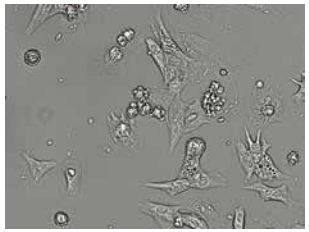

Cytotoxicity

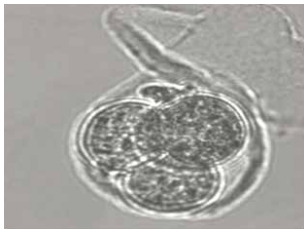

Scratch assay

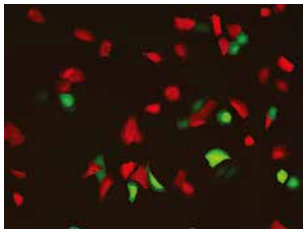

Fluorescent cell counting

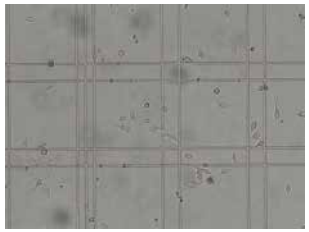

Proliferation

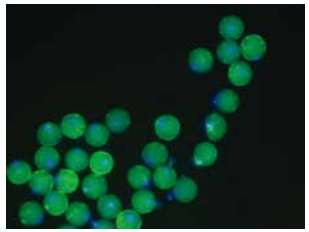

Transfection efficiency


iPS cell line


Embryonic morphology


Reporter gene


Chemotaxis


Oocyte monitoring


Tissue observation
(auto-stitched images)

BASIC SOFTWARE

CHR

Cell History Recorder

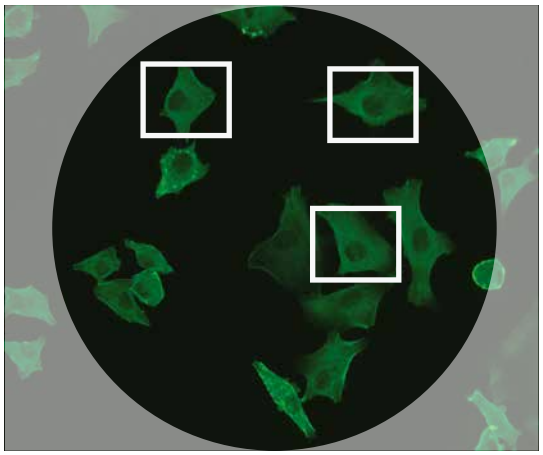
JuLI™ Stage, the new standard of CHR (**C**ell **H**istory **R**ecorder) **is designed to get time-lapse images.**

- Observe cells in real time and record a cell history from the beginning until the end
- Revert to the time point you desire
- Save time with a fully automatic time-lapse imaging function

- **Well plates (6 to 384 wells)**
- **Slides**
- **Petri dishes & flasks**

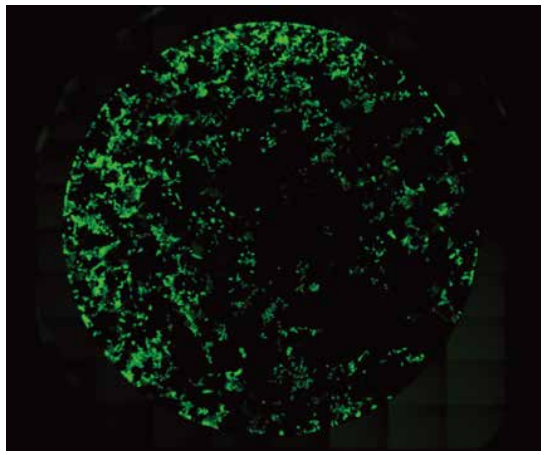
Compatible with various brand well plates with the with the auto adjustment function

01 Multi-Position



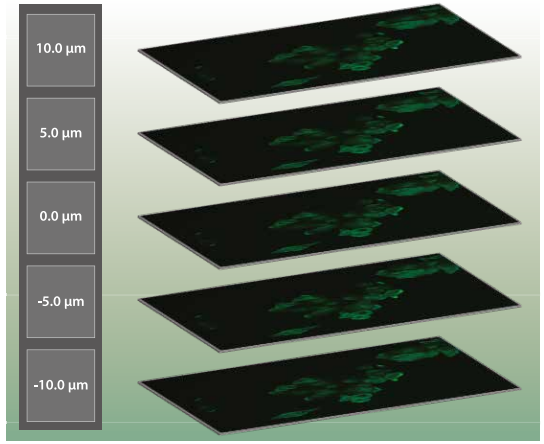
Take any number of images of any positions of a well

02 Stitching options



Easy to acquire a whole well stitching image with the stitching function

03 Focus options



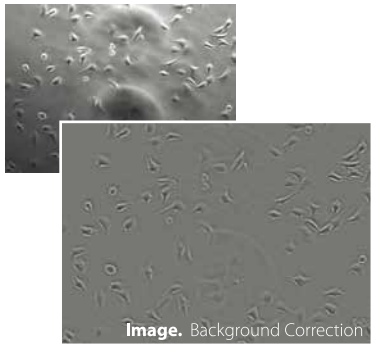
Acquire high-quality images from the Z-stack focus option

EDIT
Image Edit

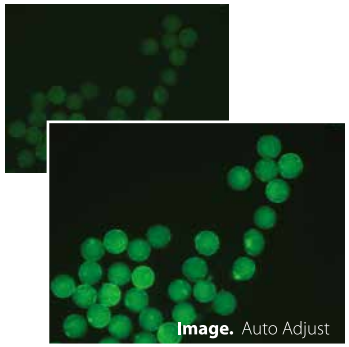
JuLI™ EDIT is designed to import, verify and re-edit project data taken from JuLI™ Stage.

- Edit images in projects
- Make movies
- Review data on your personal PC

01 Image Editor

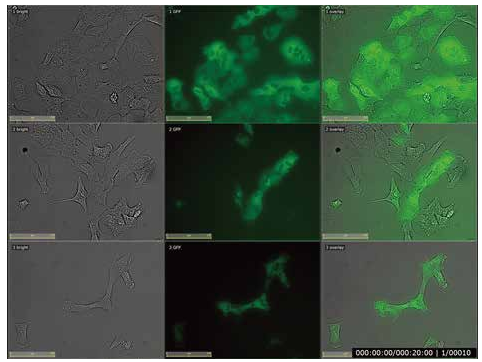


[**Bright field**]
Improve image quality
with background correction



[**Fluorescence field**]
Improve image quality
with the auto adjust function

02 Movie Maker



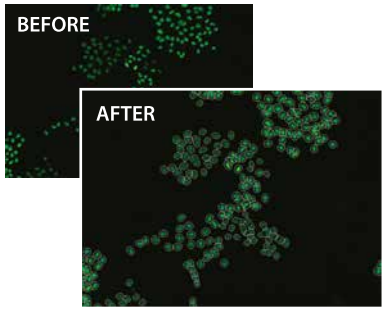
Make various types of movie

STAT
Image Statistics

JuLI™ STAT is designed to import, verify and analyze project data taken from JuLI™ Stage.

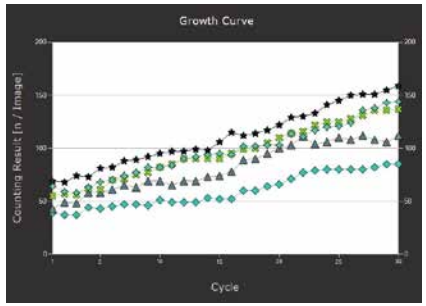
- Get result data from projects
- Make graphs using result data

01 Attached Cell Counting



Fluorescent cell counting in real time

02 Quantitative Results



Analyze results in various forms

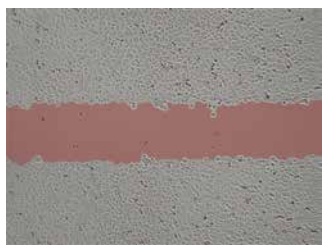
03 Plate Editor

Design your experimental workflow

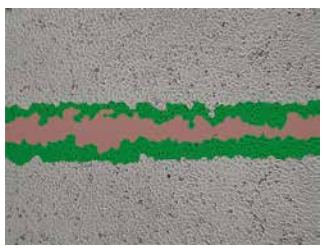
OPTIONAL SOFTWARE

SCRATCH STAT

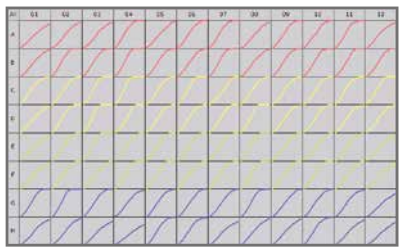
[Scratcher easily creates a uniform scratch line for 96 wells.
The Scratch STAT software analyzes scratches in real time.]



[Before : 0 hr]



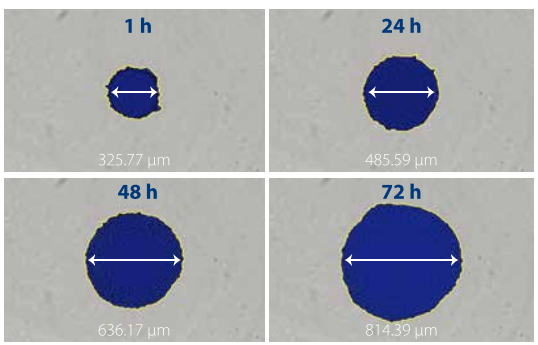
[After : 24 hr]

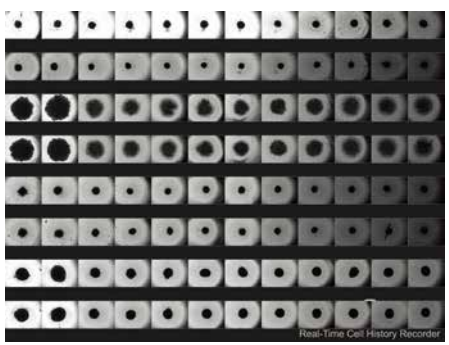


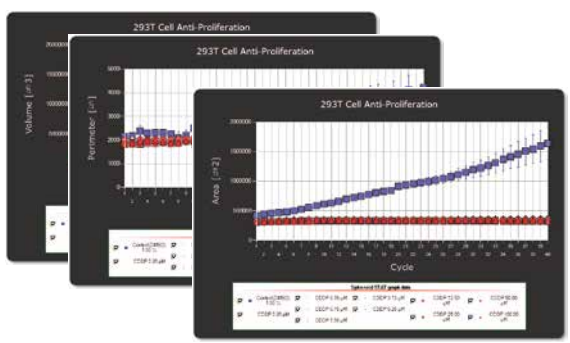
[Scratch graph of 96 well plate]

SPHEROID STAT

[The Spheroid STAT software provides various analysis functions of up to 96 spheroids in real time.]







※ For the single spheroid cell only

INFORMATION

Specifications

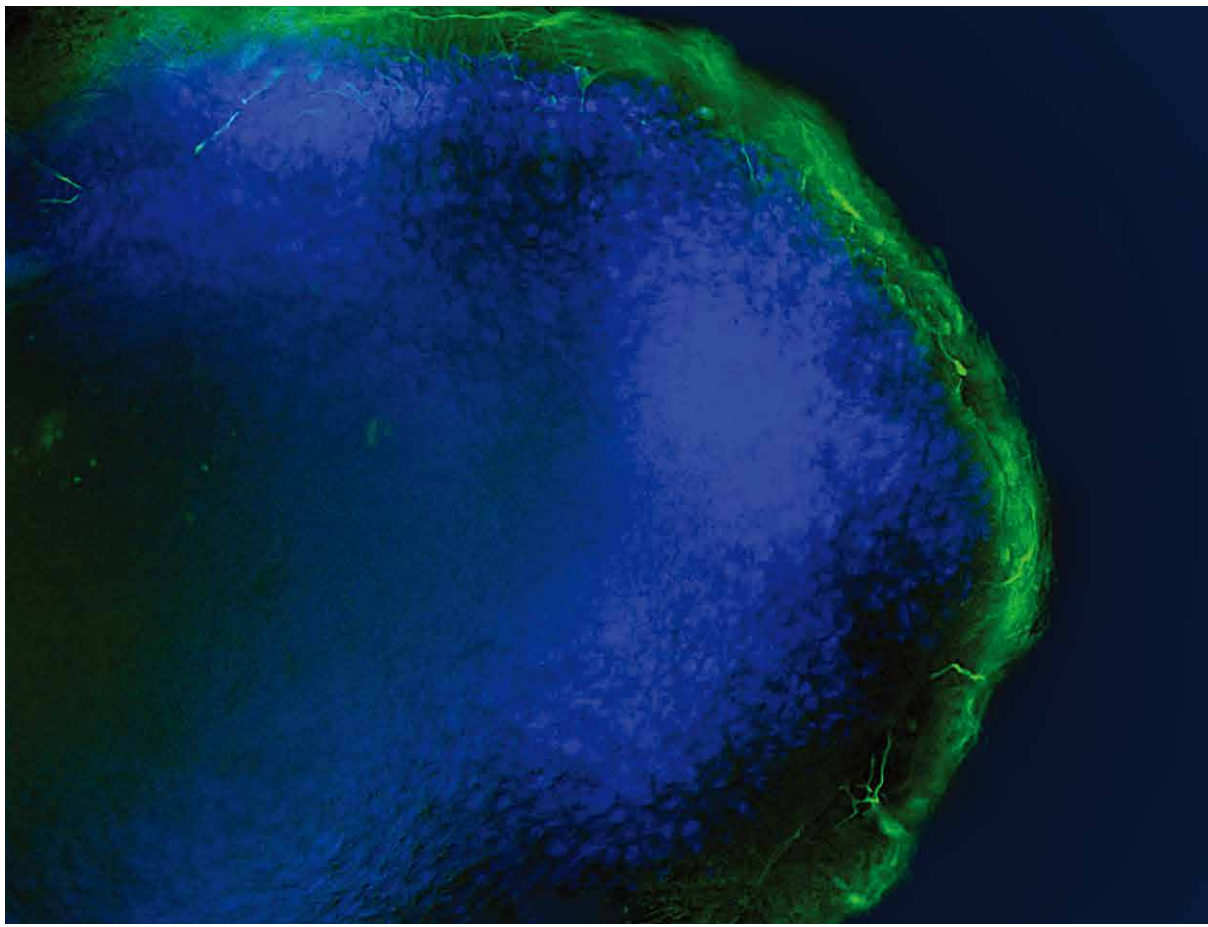
Items	Specification
Light source	Blue, Green, UV LED (Intensity adjustable)
Objective lens	4X, 10X, 20X, + Digital zoom Inter-changeable objective lens
Fluorescence	3 fluorescences DAPI: Excitation 378/52, Emission 447/60 GFP : Excitation 466/40, Emission 525/50 RFP : Excitation 543/22, Emission 580LP
Camera	High-sensitivity monochrome CCD (Sony sensor 2/3") 1,936 x 1,456 pixels (2.8 M), 53 FPS, 14 bit
Stage	Automated, motorized, X-Y-Z stage Ex-changeable vessel holders(optional)
Exported formats	Image : JPEG, TIFF, BMP, PNG Video : AVI Raw data : CSV
PC	Desktop computer, Desktop monitor 24-in. LCD CPU: Intel i5, 9 gerneration or over spec. OS: Windows® 10 Pro 64 bit RAM: 16 GB Hard drive: 2 TB Network: Gigabit Ethernet, WiFi **PC specifications may change without notice.*
Operating power	100 - 240 V, 1.5 A, 50/60 Hz
Electronic input	12 VDC, 2.0 A
Operating environment	5 - 40 °C, 20 - 95%
Dimensions	429(W) X 310(D) X 324(H) mm
Weight	18.5 kg / 41 lb

Ordering Information

Cat. No.	Product	Description
JS1000S	JuLI™ Stage, Starter Pack	JuLI™ Stage basic set (JS1000), Desktop computer (JP0200), 3 Objective lenses (4X, 10X & 20X)
JS1000	JuLI™ Stage, Real-Time Live Cell Imaging System	Main device, power supply, control box
JP0100	Desktop Computer	CPU: Intel i5, 9 gerneration or over spec. OS: Windows® 10 Pro 64 bit RAM: 16 GB Hard drive: 2 TB Network: Gigabit Ethernet
JMO100	Desktop Monitor	24" Full HD (1920 x 1080) monitor
JP0150	External Hard Disk Drive (Optional)	Total 8 TB (4 TB x 2 ea)
JO0004	Objective Lens (4X)	Magnification : 4X, NA : 0.16
JO0010	Objective Lens (10X)	Magnification : 10X, NA : 0.3
JO0020	Objective Lens (20X)	Magnification : 20 X, NA : 0.45
JVH001	Vessel Holder (Optional)	Micro Slide (26 x 76 mm)
JVH002	Vessel Holder (Optional)	Petri Dish (35 mm)
JVH003	Vessel Holder (Optional)	Petri Dish (60 mm)
JVH004	Vessel Holder (Optional)	Petri Dish (100 mm)
JVH005	Vessel Holder (Optional)	T-Flask (25 & 75 cm^2)
JSCT100	JuLI Analysis Software (Scratch)	JuLI Scratch STAT JuLI Scratcher
JSPT100	JuLI Analysis Software (Spheroid)	JuLI Spheroid STAT

JuLI™ Stage

Real-time live cell imaging system



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FOR RESEARCH USE ONLY.
This product is not approved for diagnostic or therapeutic use.

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