JuLI™ Stage

Real-time live cell imaging system

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

![NanoEntek logo] NanoEntek
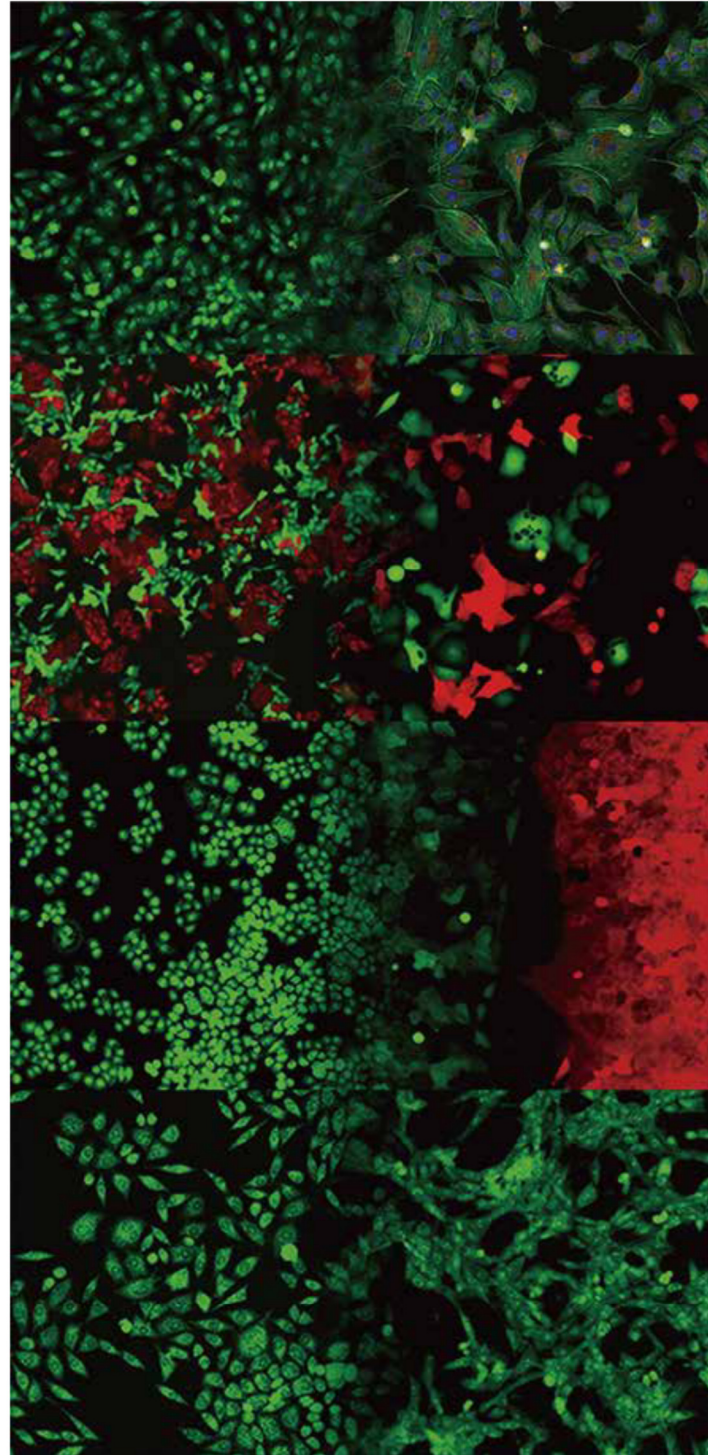
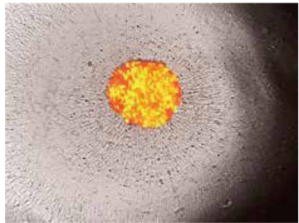# See what happened
inside an incubator with JuLI™ Stage

"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
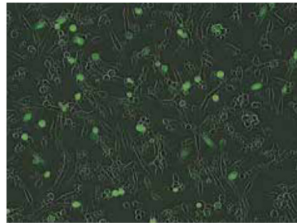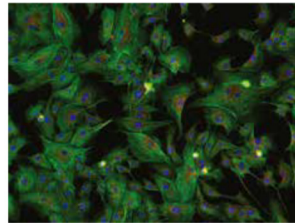- Easy & powerful software
- Take and analyze images in real time
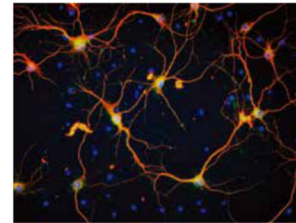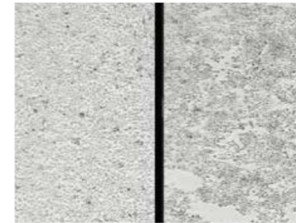
What you can do with JuLI Stage

Spheroids

Apoptosis
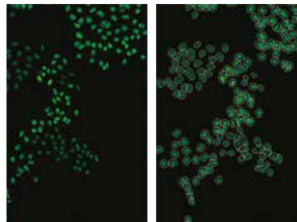
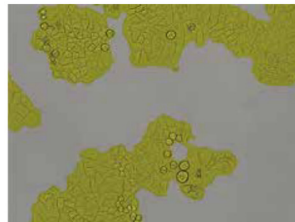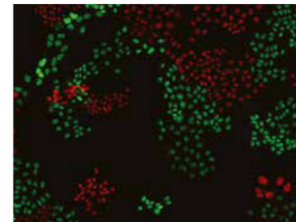**Cellular localization**

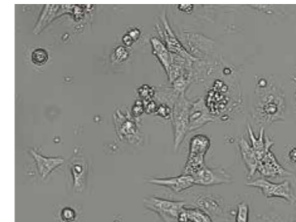**Neurite growth**

Cytotoxicity
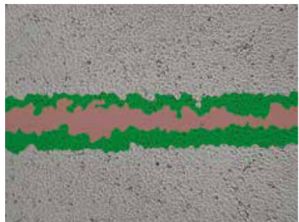
Scratch assay

Fluorescent cell counting

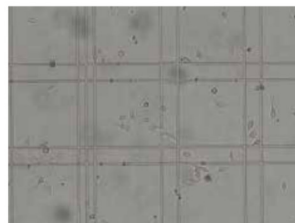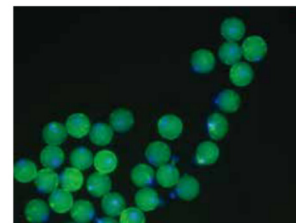**Proliferation**

Transfection efficiency

iPS cell line

Embryonic morphology
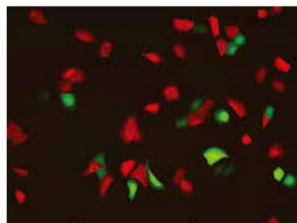
Reporter gene

Chemotaxis

Oocyte monitoring

Tissue observation
(auto-stitched images)

CHR
Cell History Recorder

JuLI™ Stage, the new standard of CHR (Cell History Recorder) 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
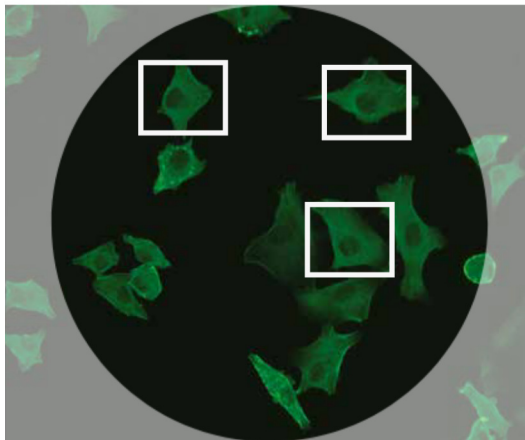
[Take any number of images of any positions of a well]

02 Stitching options

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

03 Focus options

| 10.0 µm |
| 5.0 µm |
| 0.0 µm |
| -5.0 µm |
| -10.0 µm |

[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

Image. Background Correction

Image. Auto Adjust

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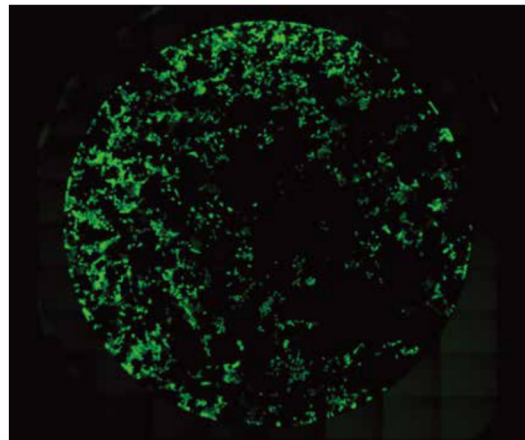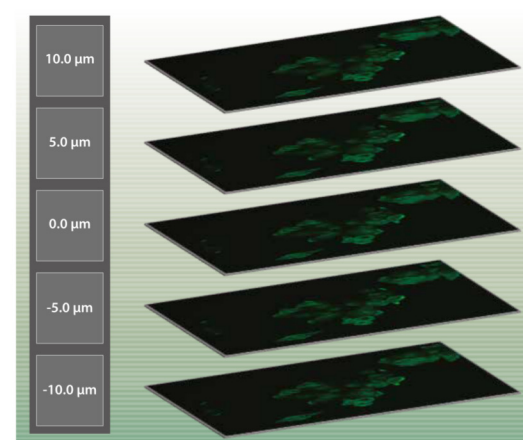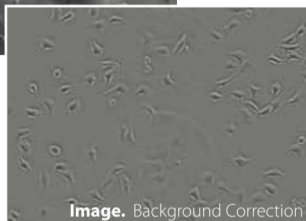Improve image quality
with background correction
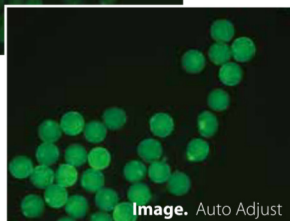
[**Fluorescence field**]
Improve image quality
with the auto adjust function

02 Movie Maker
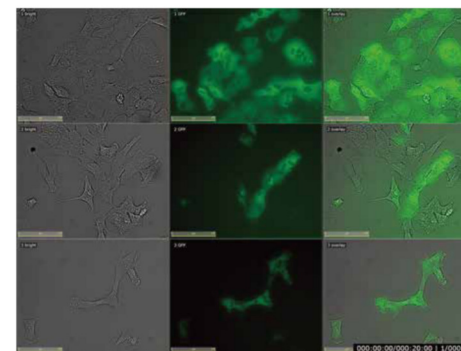
[Make various types of movie]

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

BEFORE

AFTER

[Fluorescent cell counting in real time]

02 Quantitative Results

Growth Curve
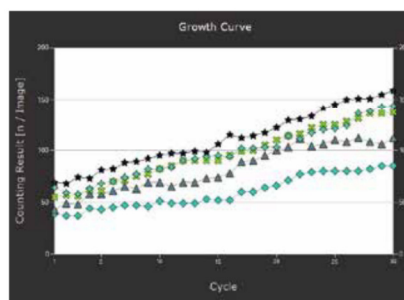
[Analyze results in various forms]

03 Plate Editor

[Design your experimental workflow]

SCRATCH STAT

[Scratcher easily creates a uniform scratch line for 96 wells.
The Scratch STAT software analyzes scratches in real time.]
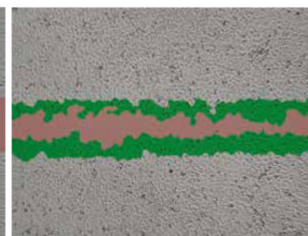
[Before : 0 hr]   [After : 24 hr]   [Scratch graph of 96 well plate]
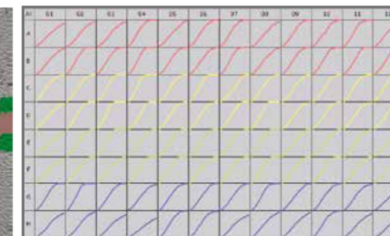
SPHEROID STAT

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

1 h — 325.77 µm
24 h — 485.59 µm
48 h — 636.17 µm
72 h — 814.39 µm

Real-Time Cell History Recorder

293T Cell Anti-Proliferation

※ For the single spheroid cell only

Specifications

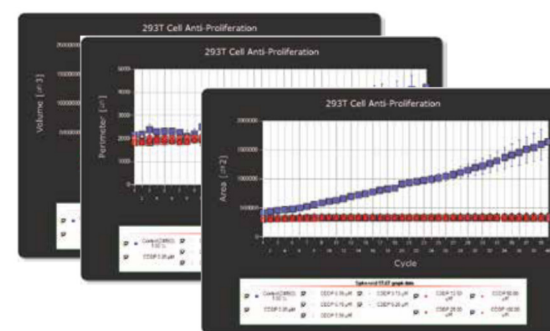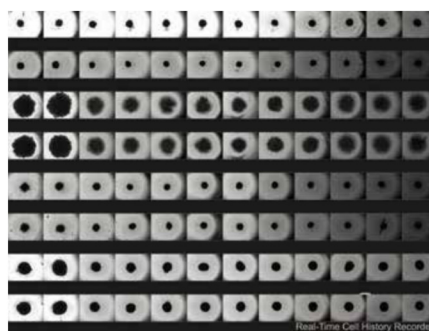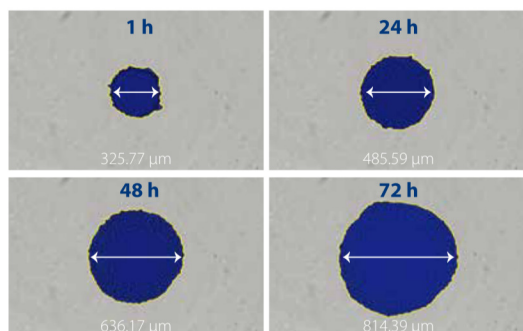| Items	Specification
Light source	Blue, Green, UV LED (Intensity adjustable)
Objective lens	4X, 10X, 20X, + Digital zoom Inter-changeable objective lens
Fluorescence	3 fluorescences DAPI: Excitation 378/52, Emission 447/60 GFP : Excitation 466/40, Emission 525/50 RFP : Excitation 543/22, Emission 580LP
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 cm²)
JSCT100	JuLI Analysis Software (Scratch)	JuLI Scratch STAT JuLI Scratcher
JSPT100	JuLI Analysis Software (Spheroid)	JuLI Spheroid STAT

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Real-time live cell imaging system

Scan me
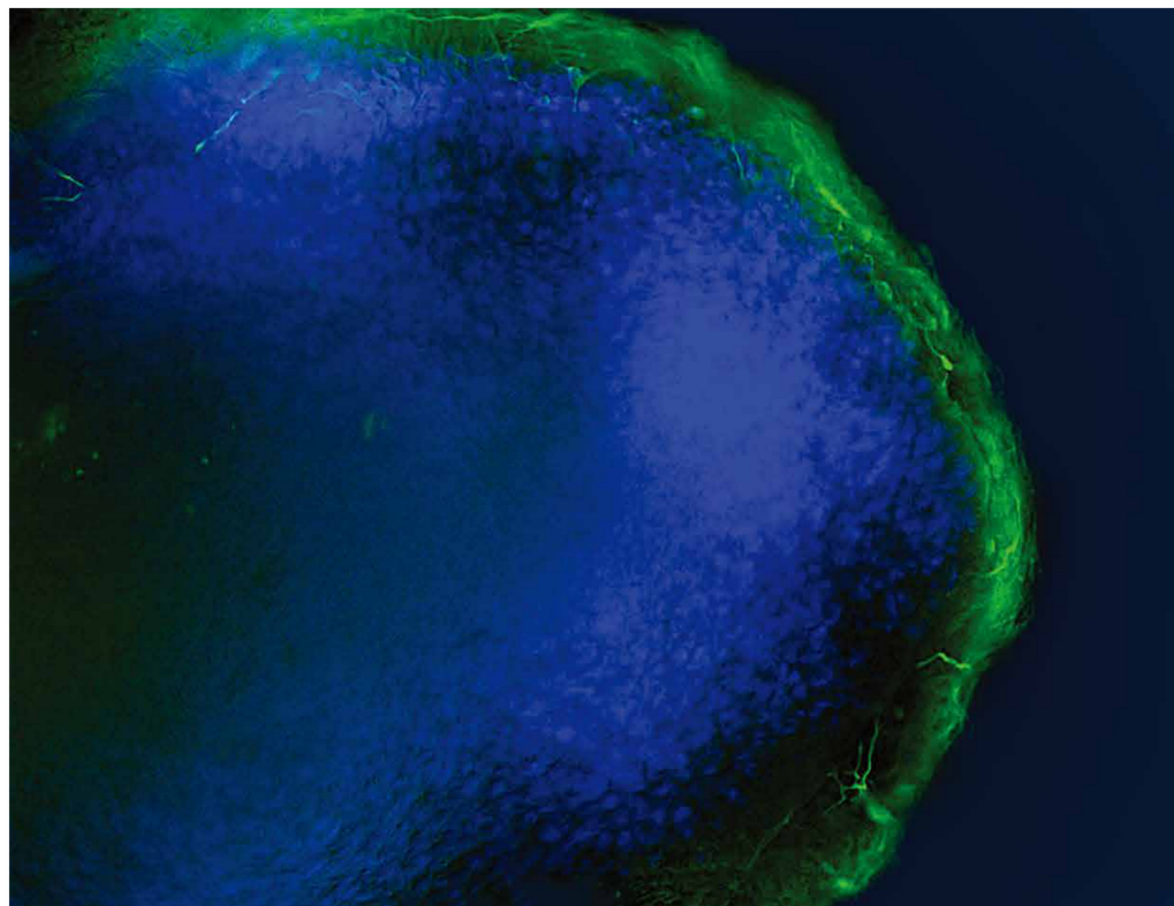
NanoEntek

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

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