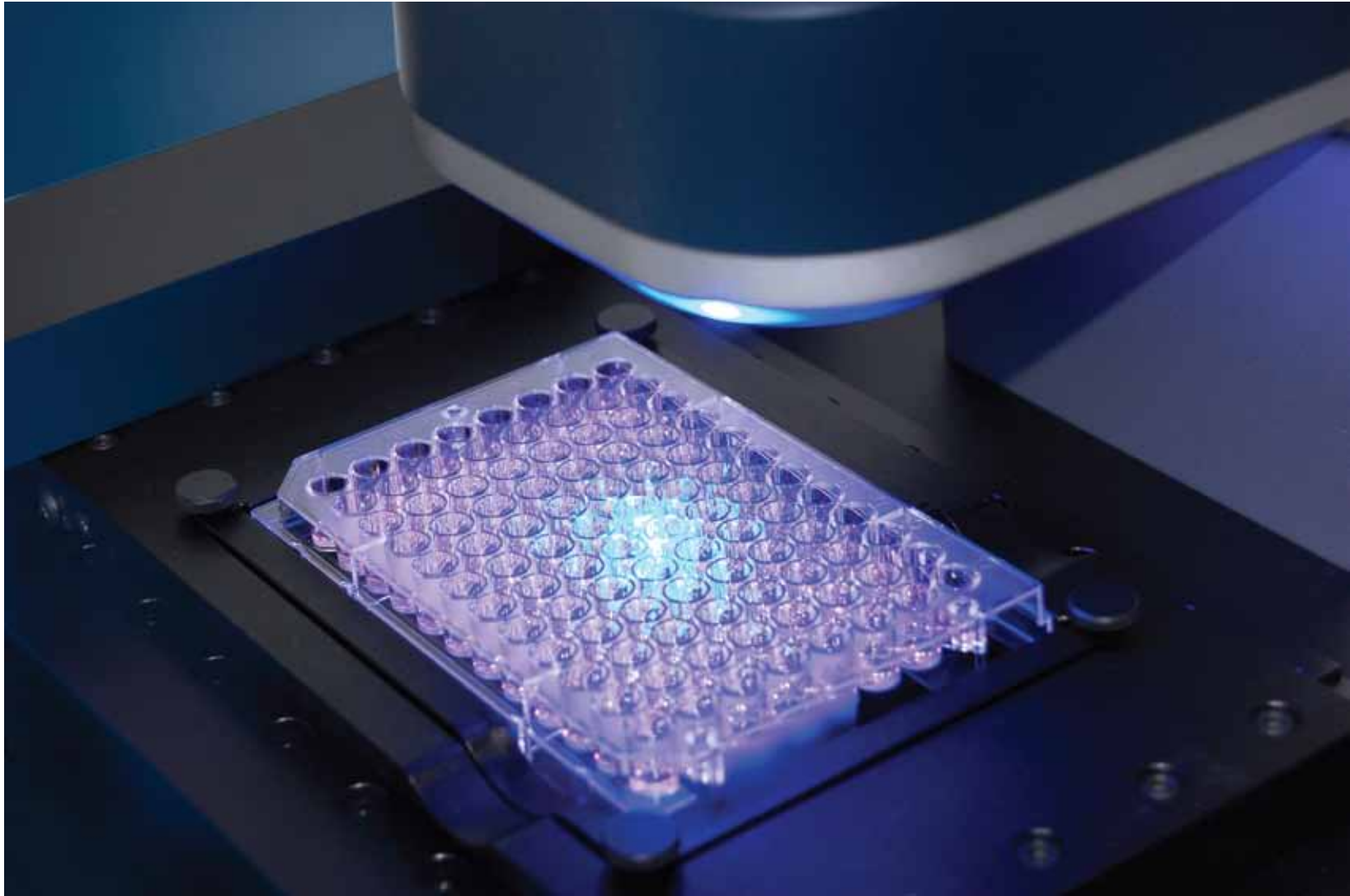


JuLI™ Stage

Real-time live cell imaging system



See what happened inside incubator with JuLI™ Stage



**“You can do experiments
without any limitation
inside your incubator.”**

- Compact and compatible with a standard CO₂ incubator
- Fully automated X-Y-Z stage
- Multi-channel fluorescence imaging
- Easy & powerful software
- Take and analyze image in real-time





JuLITM Stage

Real-time live cell imaging system

01 BASIC SOFTWARE

Cell History Recorder (CHR)
JuLI EDIT (Image edit)
JuLI STAT (Analysis software)

02 OPTIONAL SOFTWARE

JuLI Scratch STAT
JuLI Spheroid STAT
Multi-Cell Counting System (MCS)
Single-Cell Observation System (SOS)

03 APPLICATIONS

04 INFORMATION

Specifications
Ordering information

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 image function.

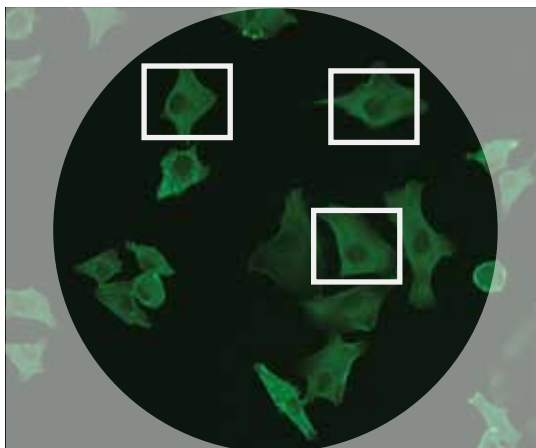


- Well plates (6 to 384 wells)
- Slides
- Petri dishes & flasks

Compatible with various brand well plates with auto adjustment function.

01

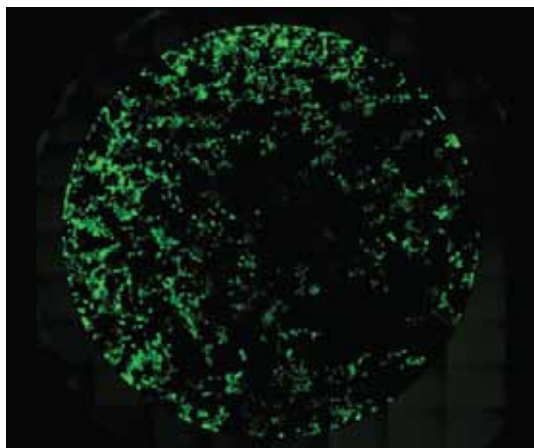
Multi-Position



Take any number of images of any positions of a well

02

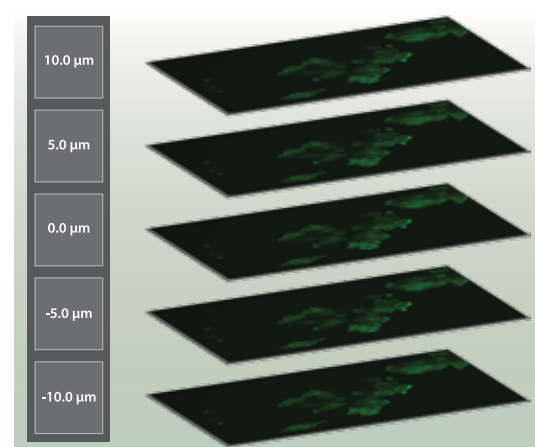
Stitching options



Easy to acquire a whole well stitching image with stitching function

03

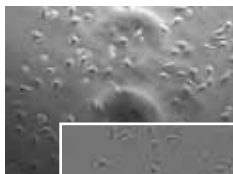
Focus options



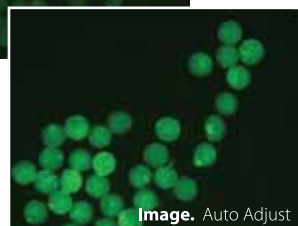
Acquire high-quality images from Z-stack focus option

Image Edit

- Edit image in projects.
- Make movie in projects.
- Review data in your personal PC.



Improve image quality
with background correction



Improve image quality
with auto adjust function

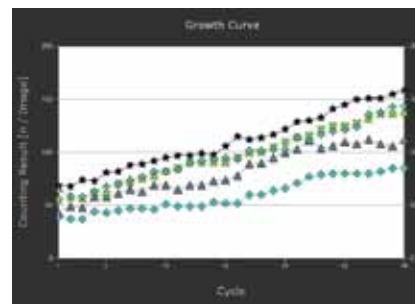
Make various types of movie

Image Statistics

- Get result data from project.
- Make graphs using the result data.



Fluorescent cell counting in real time



Analyze the result in various forms

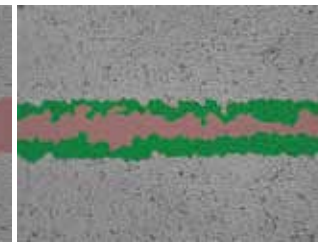


Design your experimental workflow

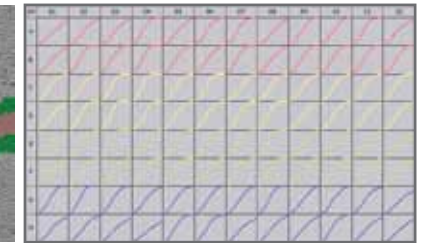
SCRATCH STAT [Scratcher creates a uniform scratch line for 96 wells easily. Analyze scratch closure in real-time.]



[Before : 0 hr]

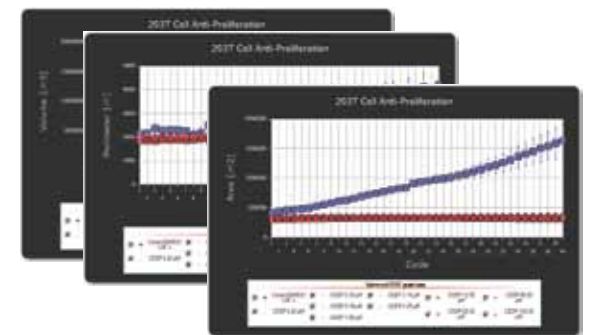
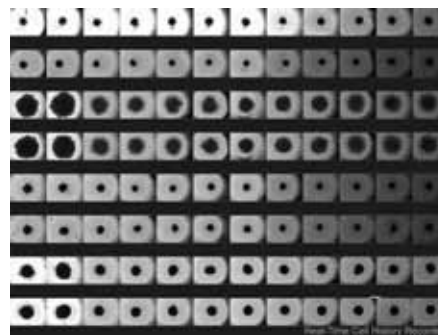
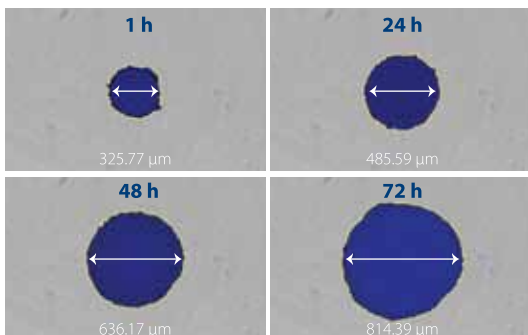


[After : 24 hr]



[Scratch graph of 96 well plate]

SPHEROID STAT [Provide various analysis functions of 96 spheroids in real time.]



※ For the single spheroid cell only

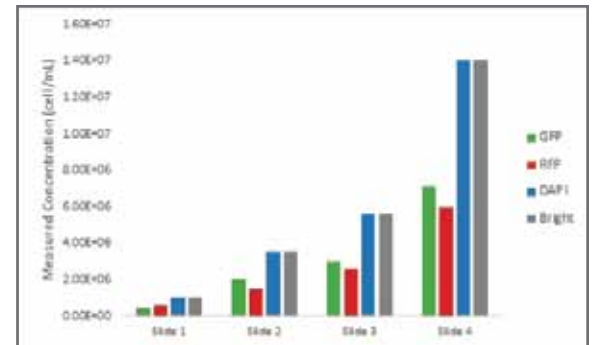
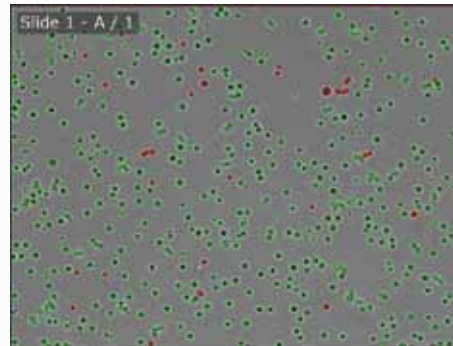
" We provide powerful tools to analyze results. "

MCS

Multi-Cell Counting System

System for counting cells using disposable chips.

- 4 channels are available (Bright, GFP, RFP, DAPI).

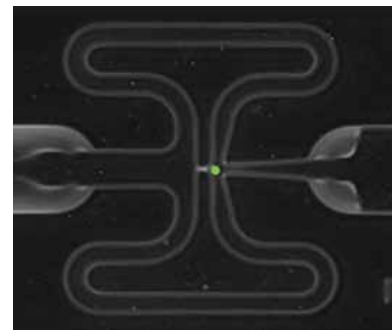


SOS

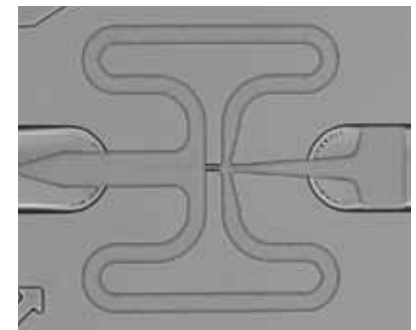
Single-Cell Observation System

Automated quality control system specialized in C1 chip.

- Simple steps for system setup and operations.



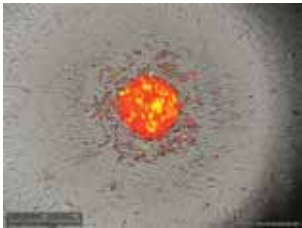
[GFP field]



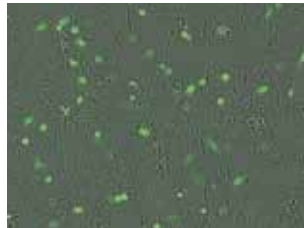
[Bright field]

APPLICATIONS

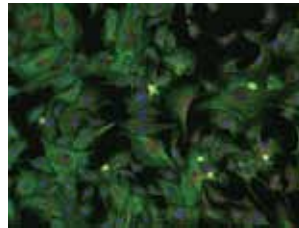
What you can do with JuLI Stage.



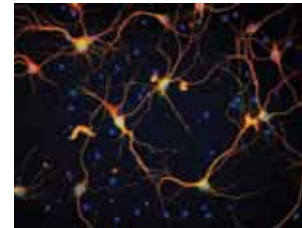
Spheroids



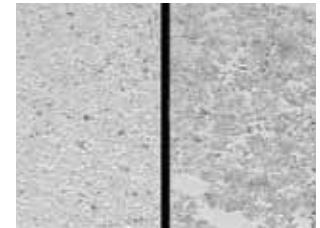
Apoptosis



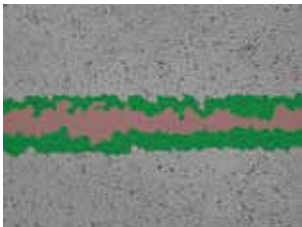
Cellular localization



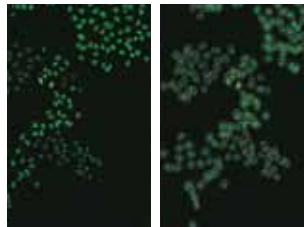
Neurite growth



Cytotoxicity



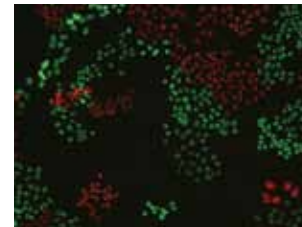
Scratch assay



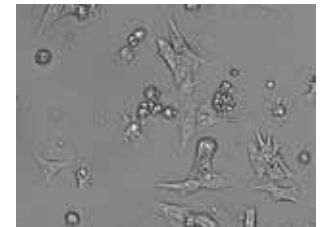
Fluorescent cell counting



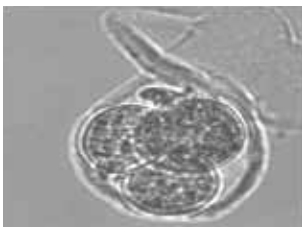
Proliferation



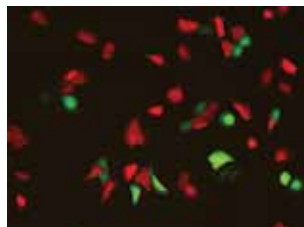
Transfection efficiency



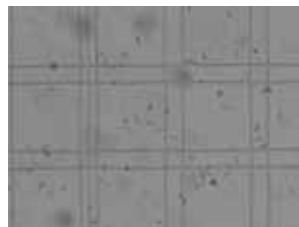
iPS cell line



Embryonic morphology



Reporter gene



Chemotaxis



Oocyte monitoring

- Find more -
www.julistage.com/applications

- Contact us -
sales@nanoentek.com

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 390/40, Emission 452/45 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 Interchangeable vessel holder
Exported formats	Image : JPEG, TIFF, BMP, PNG Video : AVI Raw data : CSV
PC	Desktop computer (JP0100), Desktop monitor (JM0100) CPU : Intel Core i5-7500 3.4GHz OS : Windows 10 Pro 64bit RAM : 8GB (2x4G) 2133MHz DDR4 Memory HDD : 2TB 3.5" SATA (7,200 Rpm) Hard Drive Wifi : Intel®Dual band wireless 8260 (802.11ac) + Bluetooth Monitor : 23.8" Full HD (1920 X 1080)
Operating power	100 - 240 V, 1.5 A, 50/60 Hz
Electronic input	12VDC, 5.0 A
Operating environment	5 - 40 °C, 20 - 95%
Dimensions	429(W) X 310(D) X 324(H) mm
Weight	18.0 kg / 39.7 LBS

Ordering information

Cat. No.	Description	Contents
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 Core i5-7500 3.4GHz OS : Windows 10 Pro 64bit RAM : 8GB (2x4G) 2133MHz DDR4 Memory HDD : 2TB 3.5" SATA (7,200 Rpm) Hard Drive
JM0100	Desktop monitor	P2414H 23.8" Full HD (1920 x 1080) monitor Power cord x 4ea (USA, Europe, Australia, UK)
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)
JOS1000	JuLI Stage Software (CHR)	CHR (Cell History Recorder)
SOS1000	JuLI Stage Software (SOS)	SOS (Single-Cell Observation System)
MOS1000	JuLI Stage Software (MCS)	MCS (Multi-Cell Counting Software)
JSCT100	JuLI Analysis Software (Scratch)	JuLI Scratch STAT JuLI Scratcher
JSPT100	JuLI Analysis Software (Spheroid)	JuLI Spheroid STAT

*JuLI™ Stage runs on at least one S/W

JuLI™ Stage

Real-time live cell imaging system



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