It works

inside incubator !

NanoEnTek


Br
JuLI™ Br
Focusing
Monitoring
Data
Settings
Channel 1
Scale
Zoom in
Zoom out
x 1
Exposure
10 %
Brightness
10 %
00.00%
Confluence
Capture
JuLI Br Live cell movie analyzer
NanoEnTek

Meet JuLI™ Br to meet your needs for live cell imaging

Increasing number of researchers are using live-cell imaging to study cellular functions. The JuLI™ Br, a smart Bright-cell movie analyzer, was developed to enable a variety of biological experiments for live cell imaging.

Automated cell confluence detection

quantified cell confluence results with low variation

10.1" color LCD touch screen

user friendly interface

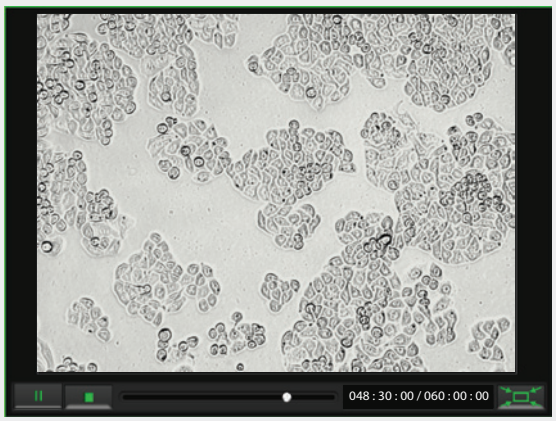
Dual system

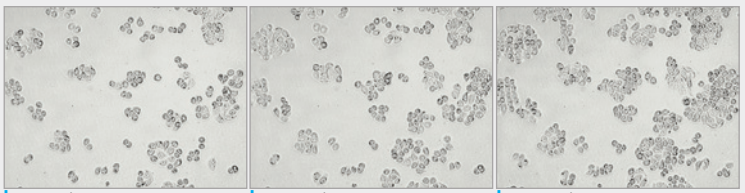
*(*Optional)*

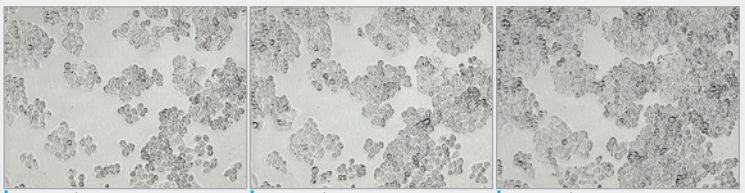
compare control and experimental samples using dual system, concurrently

Time-lapse image capture & recording movie

Cell-growth images were captured for 60 hours with 10 minutes interval in Hep3B cell line.

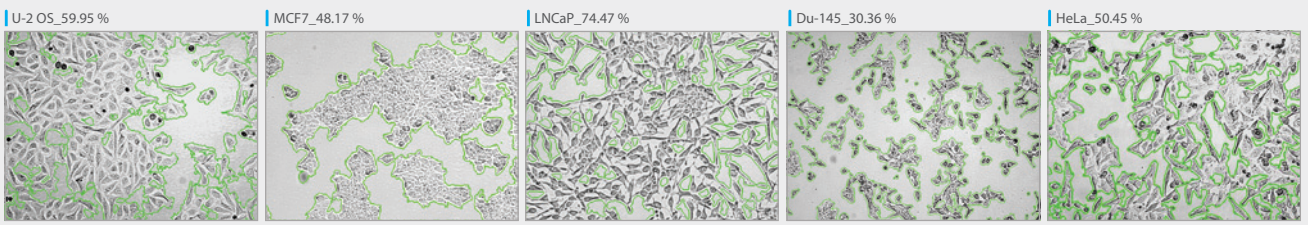



Hap3B_0 hrs | Hap3B_12 hrs | Hap3B_24 hrs


Hap3B_36 hrs | Hap3B_48 hrs | Hap3B_60 hrs

Automated quantitative cell confluence analysis

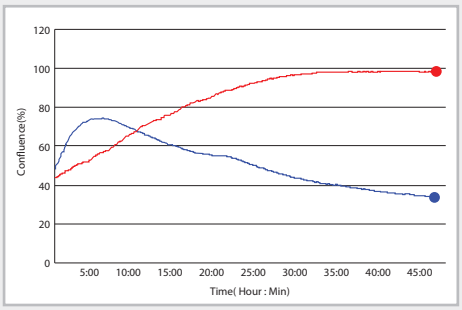
Cell confluence determined various cell lines using JuLI™ Br.



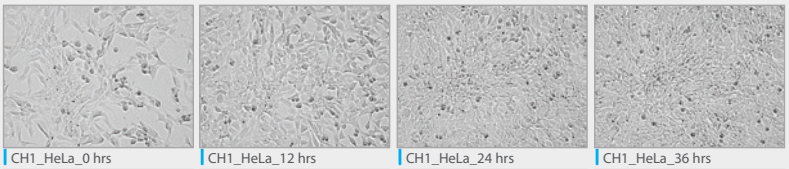
Just capture images, record movies with LCD touch screen!

Real time cell growth curve

HeLa cells growth were observed 40 hours with 10 minutes intervals and analyzed monolayer confluence using JuLI™ Br.
For apoptosis assays, experimental group (channel 2) was treated Staurosporine.

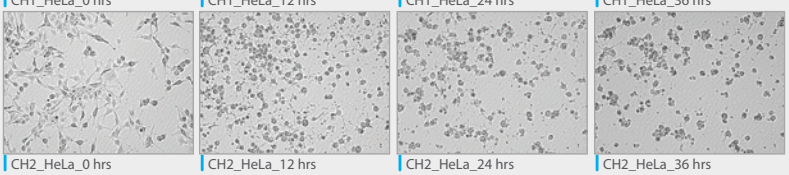


CH1



CH1_HeLa_0 hrs | CH1_HeLa_12 hrs | CH1_HeLa_24 hrs | CH1_HeLa_36 hrs

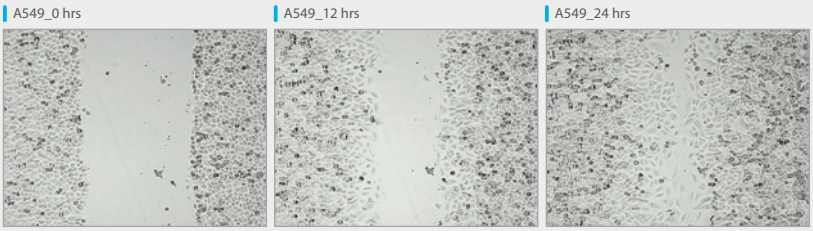
CH2



CH2_HeLa_0 hrs | CH2_HeLa_12 hrs | CH2_HeLa_24 hrs | CH2_HeLa_36 hrs

Cell migration (wound healing) assay

[Wound healing progress images]
A549 cells were incubated for 40 hours after scratch.
JuLI™ Br calculated the confluence with growth of surface unfarmed automatically.



A549_0 hrs | A549_12 hrs | A549_24 hrs

[Wound healing progress graph]
Wound confluence can be graphed to quantitatively analysis the recovering the surface of wound.

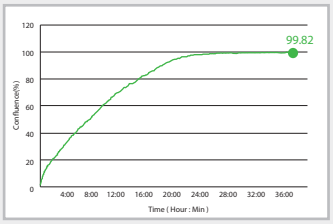
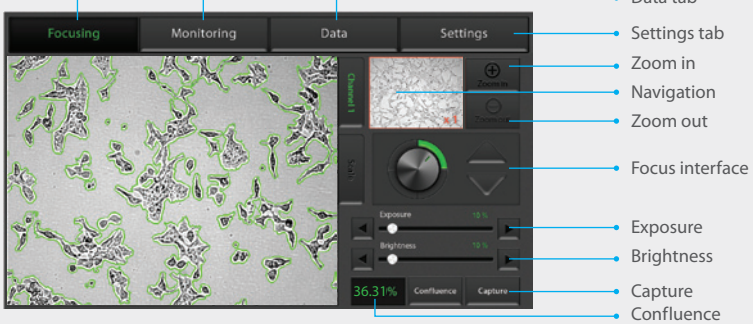


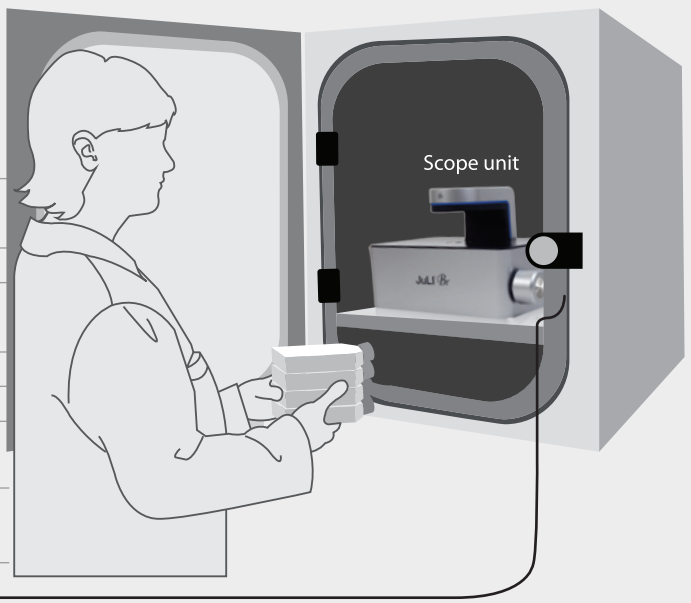
Image control



Station unit

Specification

Cat no	Device JULI-BR04 (Single set, 1 Scope & 1 Station) JULI-BRD04 (Dual set, 2 Scopes & 1 Station) JULI-BRSC (2nd Scope) Accessory JULI-BRCM (Counting starter kit) JULI-BRTB (XY Stage)
Magnification	Objective 4 X and digital zoom (~ 400 X)
Image resolution	2560 x 1920 pixels (5M)
Exported formats	JPEG (image), AVI (movie), CSV (raw data)
Display	10.1" LCD touch screen
Light source	White LED
Dimensions & Weight	Scope: 300 x 190 x 188 mm, 4 kg Station: 282 x 285 x 160 mm, 3.2 kg
Storage	320 GB Hard drive 4 GB USB drive



JuLI™ Br

Live cell movie analyzer

NanoEnTek

NESCT-JUB-001E(V.1.5)

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