SCREEN

Cell³iMager features and speci□cations:

Scanning and imaging

- Wide range of pre-de□ned plate maps and optimal focal plane heights available for cell major 3D cell culture platforms
- Selectable scanning resolution from 9600 dpi (2.6 um/pixel) down to 200 dpi
- Scan plates quickly and analyze data later at your convenience
- Adjustable tone curve compensation for colored medium
- Auto-focus, □xed focus, and multi-planar options

Image analysis

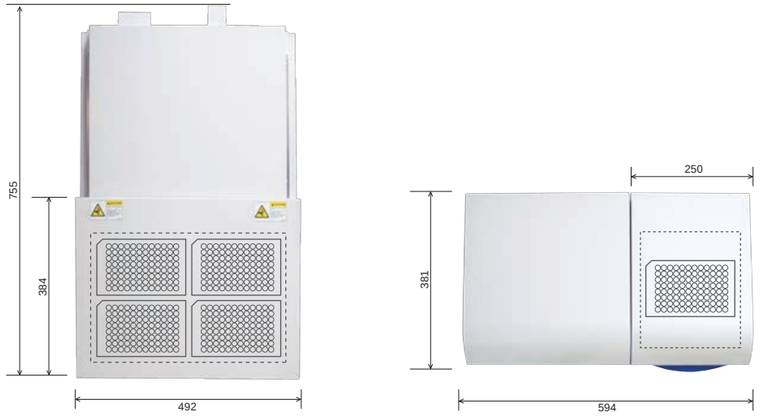
- Determination of spheroid number, size, and growth kinetics
- Analysis of single/multi-spheroids per well
- Intelligent object identi□cation to discriminate spheroids from □bers, debris, and bubbles
- 30+ adjustable parameters for ef□cient pro□ling of spheroid growth and morphology
- Focus bracketing option enables high quality analysis of spheroids in hanging-drops or embedded in hydrogel systems
- Automatic cell morphological classi□cation (ACMC) option provides 'intelligent' automatic classi□cation of live and dead spheroids, using logic derived from a user-de□ned reference set of live/dead spheroids
- Auto-generated growth curves and histograms, with simple raw data export capability for further analysis

Space requirements * The illustration of well plates is a setting image

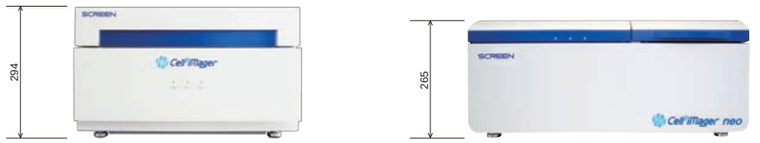
Cell³iMager

Cell³iMager neo

Top view



Front view



Dimensions in mm

The data shown here is as of September, 2017. Specifications and design of the unit are subject to change for improvement.

SCREEN Holdings Co., Ltd.

KYOTO(Head office) / Tenjinkita 1-1, Teranouchi-agaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto 602-8585, Japan

Life Science Business Development and Sales Division

KYOTO(Rakusai)
Furukawa-cho 322,Hazukashi,Fushimiku,Kyoto 612-8486, Japan
Phone : + 81-75-931-7824 / Fax : +81-75-931-7826

TOKYO
7th Floor, Yamatane Bldg., 2-21 Etchujima 1-chome, Koto-ku, Tokyo 135-0044, Japan
Phone : + 81-3-4334-7977 / Fax : +81-3-4334-7978

http://www.screen.co.jp/eng

International callers;
Call: +1 847 870 7400 X 2423 (or) +1 847 910 3374

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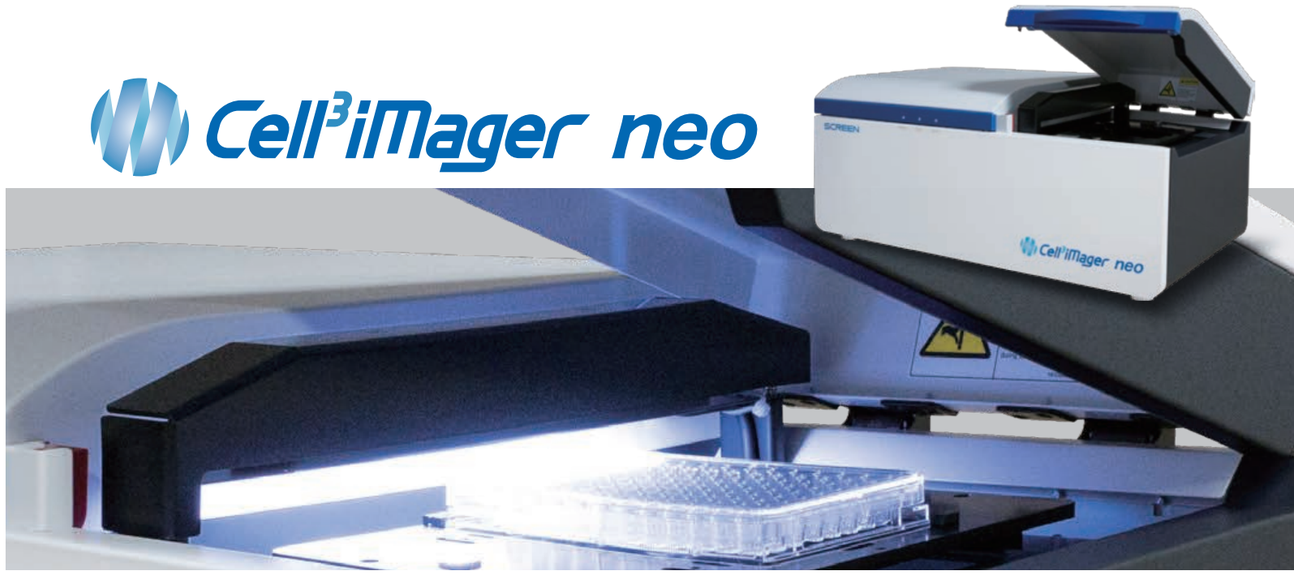
Cell³iMager

Cell³iMager neo



High-throughput brightfield scanners for fast, label-free profiling of 3D spheroids

- Escape throughput and speed limitations in phenotypic assessment of 3D tumor spheroid size and morphology
- Only cost effective, non-invasive solution for kinetic growth profiling of 3D tumor spheroids
- Comprehensive 3D image analysis package with built-in compatibility for all major 3D cell culture platforms