SCREEN

Cell³iMager duos

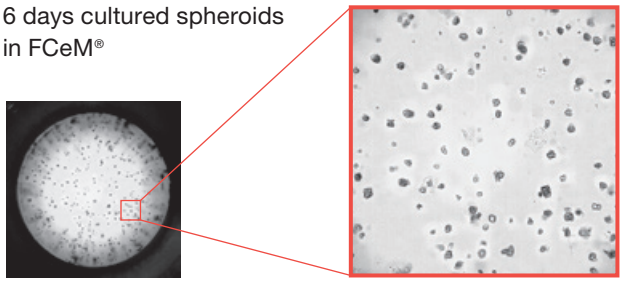
3D Cell Culture by using FCeM®

KEYWORD 1) Spheroid 2) 3D culture 3) Suspension cult 4) Label free assay

OBJECTIVE Multi spheroids cultured in FCeM-medium were quantified by using Cell³iMager duos.

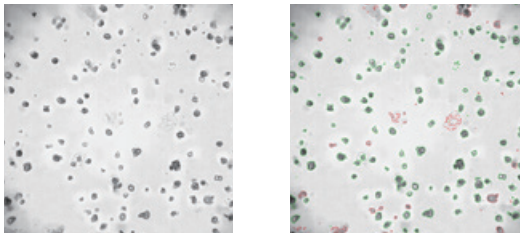
Materials and Methods

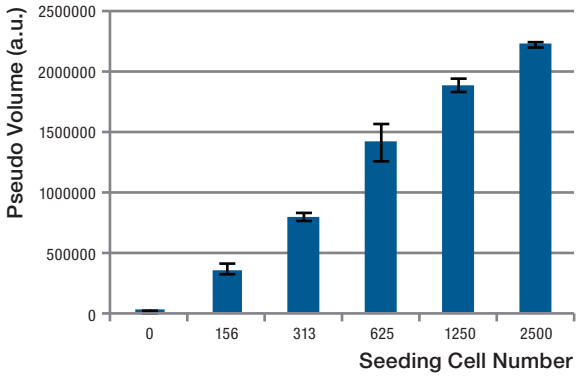
Cell Line: HCT116 cells (RIKEN BRC)
Medium: FCeM® (Nissan Kagaku Kogyo)
Plate: 96-well plate flat bottom (Sumitomo Bakelite)
Seeding cell density: 0 - 2500 cells/well
Culture days: 6 days
Imaging methods: Bright field, Low magnification lens, Bracket Focus (stacked)

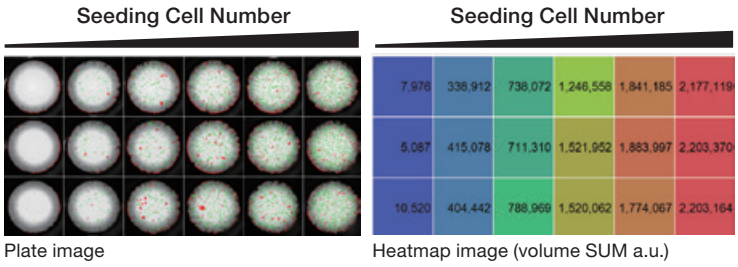


Results and Conclusions

- The increment of volume SUM depends on cell density.
  ('Volume' was calculated as; Optical Density x Area = pseudo volume)
- You can quantify 3D- and suspension cultured cells.







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

www.screen.co.jp/eng

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