

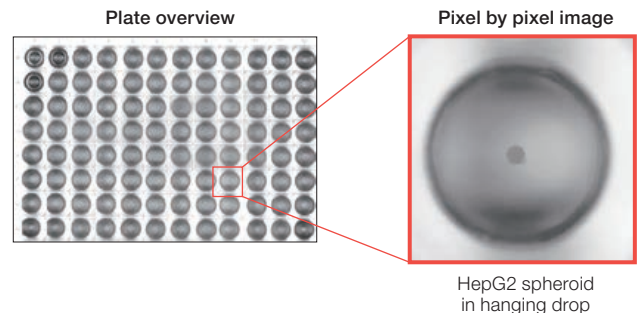
3D Cell Culture by Hanging Drop

KEYWORD 1) Spheroid 2) 3D culture 3) Hanging Drop 4) Label free assay

SUMMARY Spheroids in the droplets being aggregated by the method of hanging drop were quantified by Cell³iMager neo.

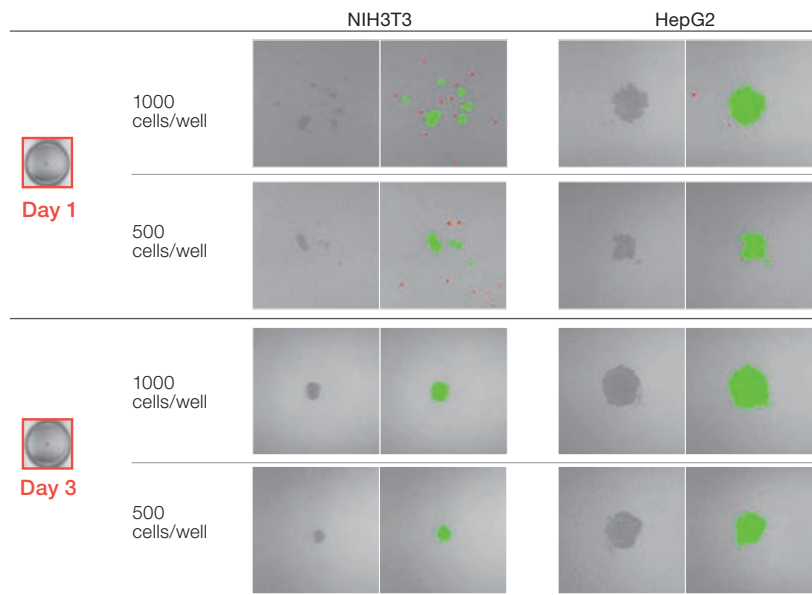
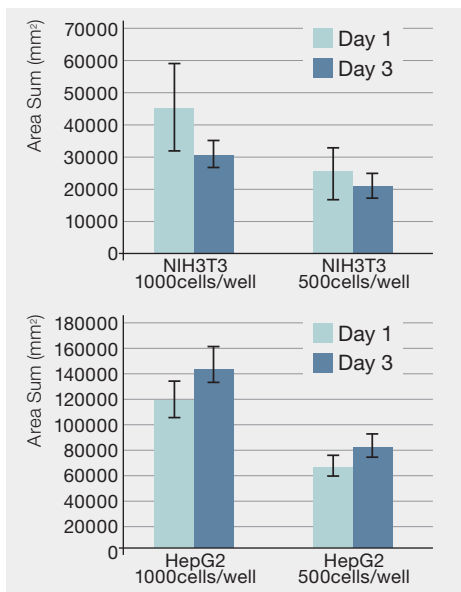
Materials and Methods

Cell Line: HepG2 cells (RIKEN BRC)
 NIH3T3 cells (RIKEN BRC)
 Medium: DMEM (Nacalai tesque)
 Plate: GravityPLUS™ (InSphero)
 Seeding cell density: 500, 1000cells/well
 Culture days: 3 days after making drops
 Imaging methods: Bright-field, 4800dpi
 Bracket Focus (stacked)



Results and Conclusions

- Cell³iMager neo could capture the spheroid formation process in hanging drops.
- It was possible to quantify the spheroids to evaluate the time-lapse changing area.



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