

Pancreatic β cells stained by DTZ

By courtesy of Dr. Shogo Nagata (Biohybrid System Laboratory, Institute of Industrial Science, Tokyo University)

KEYWORD 1) Pancreatic β cells 2) Isolated rat cells 3) DTZ staining 4) Import

OBJECTIVE Pancreatic β cells isolated from Rat spleen was quantified by Cell3iMager neo. To detect only β cells, isolated cells were stained by DTZ.

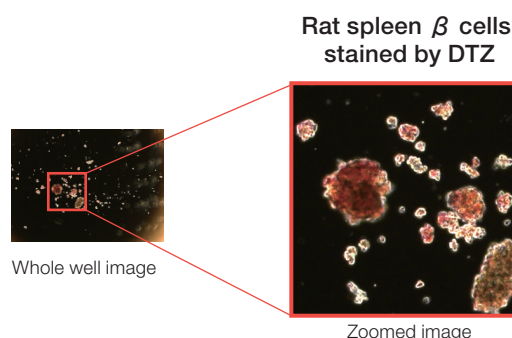
Materials and Methods

Cell Line: Isolated rat pancreatic cells

Reagents: dithizone (DTZ), which stains β cells

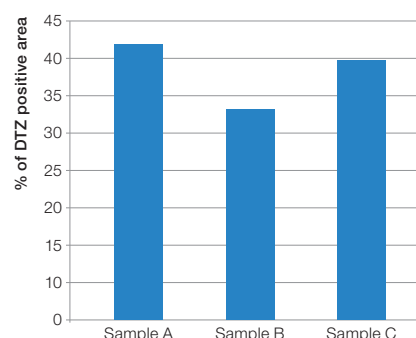
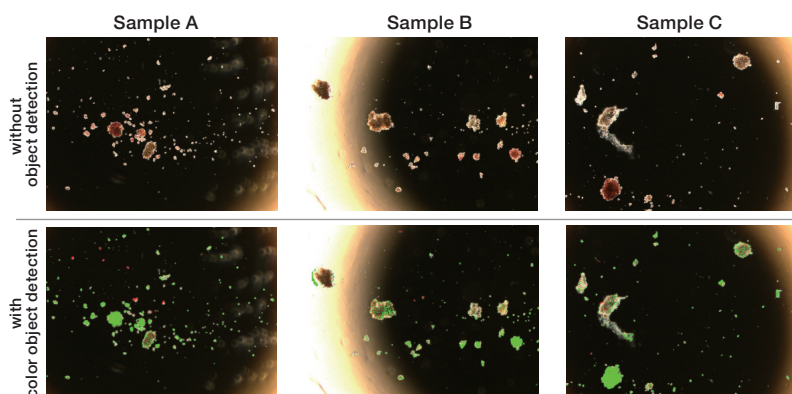
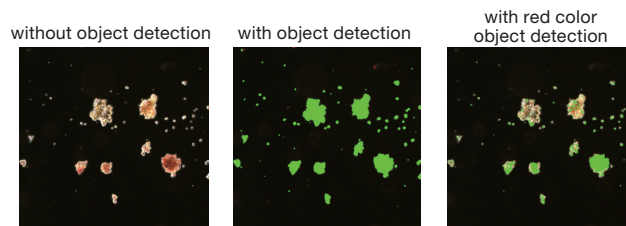
Analysis methods: The images taken by microscope were imported in Cell3iMager neo's software.

Red areas were measured by detection red hue.



Results and Conclusions

- Color area can be measured by detecting hue of images
- The images taken by microscope can be analyzed by our original software



The University of TOKYO Institute of Industrial Science Takeuchi Laboratory
Shogo Nagata, Ph.D.

Sponsored by SCREEN Holdings Co., Ltd. Material creation: August 2018

SCREEN Holdings Co., Ltd.

KYOTO (Head office) / Tenjinkita-machi 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

Tel: +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

Tel: +81-3-4334-7977 / Fax: +81-3-4334-7978

Email: screen_lifescience@screen.co.jp

www.screen-cell3imager.com