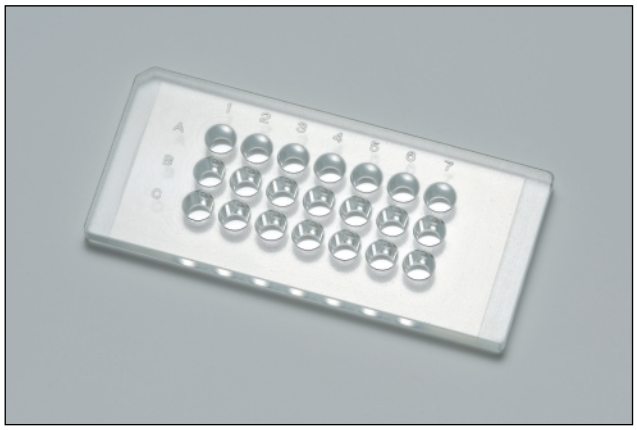
HAMAMATSU

MICROWELL SLIDE
A10657-01

FEATURES

- **Small well volume (25 µL) for conserving samples or reagents**
- **Optical grade bottom cover glass that allows measurement with an inverted microscope**
- **Alphanumeric grid for easy sample identification**
- **Background fluorescence is minimized by the glass**
- **Suitable for fluorescence correlation spectroscopy (FCS)**



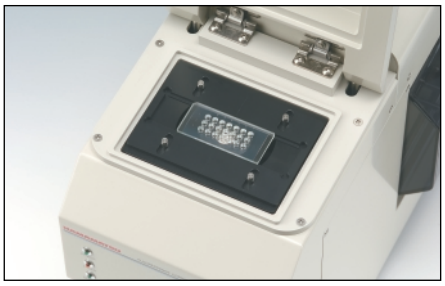
SPECIFICATIONS

Parameter		Description / Value
Material	Slide glass	Soda-lime glass
	Cover glass	Borosilicate glass
Number of wells		21 (3 × 7)
Recommended working volume		25 µL
Well diameter		4 mm (top), 3 mm (bottom)
Well depth		3.1 mm
Cover glass thickness		0.12 mm to 0.17 mm
Refractive index of cover glass		1.525
Dimensions		57.2 mm × 25.4 mm × 3.4 mm
Sterile		Untreated *
Package		10 slides

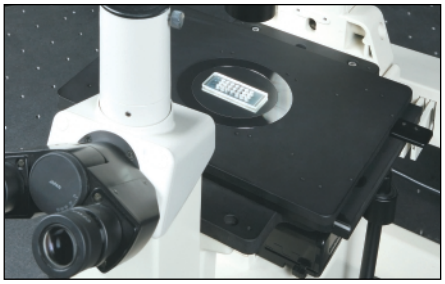
NOTE: * Max. autoclaving cycle: 3 times (121 °C, 103 kPa, 20 minutes)

APPLICATION EXAMPLES

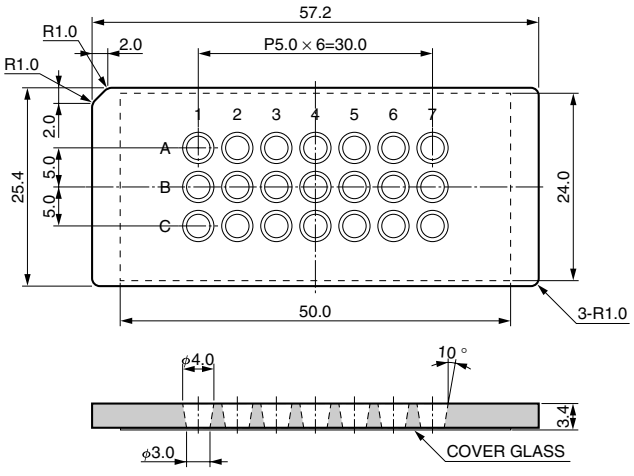
●FCS unit C9413 series



●Inverted microscope



DIMENSIONAL OUTLINE (Unit: mm)



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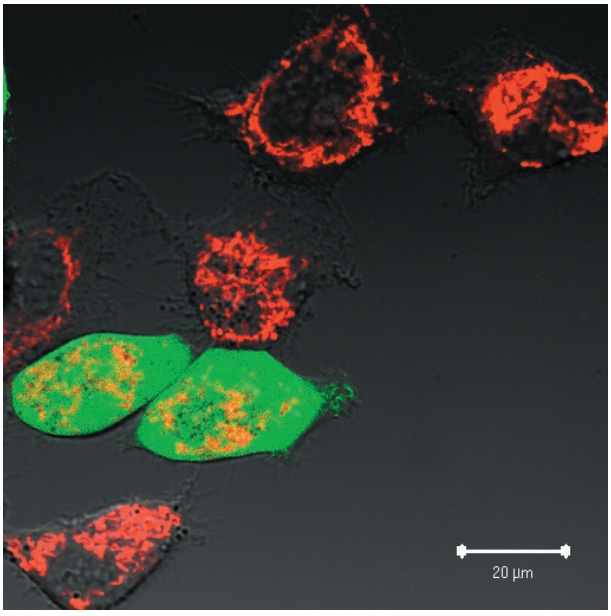
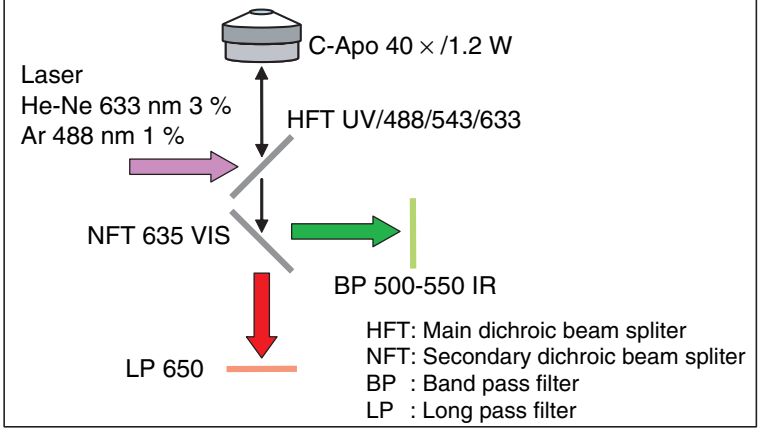
Notes:
Sonication should be limited to one time only. (Sonication time cannot exceed 15 minutes.)
Please handle with care when cleaning the microwell slide in a beaker or some other glass container, as cracks may form on the microwell slide upon contact with a glass surface.

MEASUREMENT EXAMPLES

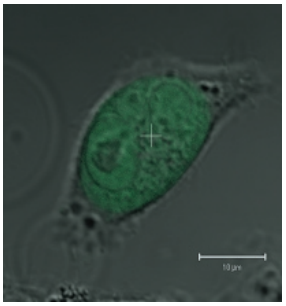
■Measurement example 1: EGFP expressing and non-expressing HeLa cell stained with MitoTracker Deep Red 633 FM

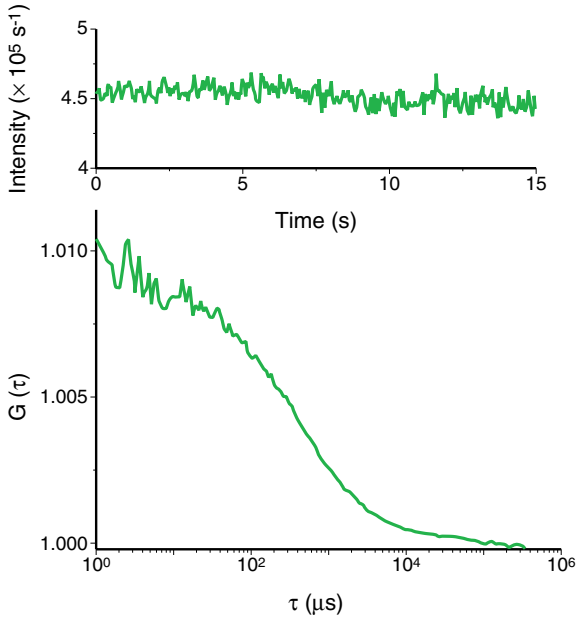


- System: Confocal laser scanning microscope
- Sample: HeLa cell (EGFP expressing and non-expressing)
- Orthochromatic dye: MitoTracker Deep Red 633 FM
  (Molecular Probes, M22426)
  (Ex 644 nm, Em 665 nm)
- Staining conditions: 100 nM in OPTI-MEM, 37 °C, 5 %CO_2, 20 min



■Measurement example 2: FCS measurement in HeLa cell





- System: Confocal laser scanning microscope
- Sample: EGFP expressing HeLa cell
  (cell cytoplasm)
- Excitation light: Ar^+ laser: 488 nm FM
- Fluorescence filter: 500 nm to 550 nm
- Measurement time: 15 s × 5 times

Courtesy of Mr. Keishi Sakata, Ms. Makiyo Uchida, Prof. Masataka Kinjo, Laboratory of Molecular Cell Dynamics, Faculty of Advanced Life Science, Graduate School of Life Science, Hokkaido University

HAMAMATSU WEB SITE www.hamamatsu.com
HAMAMATSU PHOTONICS K.K., Electron Tube Division
314-5, Shimokanzo, Iwata City, Shizuoka Pref., 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205
U.S.A.: Hamamatsu Corporation: 360 Foothill Road, P. O. Box 6910, Bridgewater. N.J. 08807-0910, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com
Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658 E-mail: info@hamamatsu.de
France: Hamamatsu Photonics France S.A.R.L.: 19, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10 E-mail: infos@hamamatsu.fr
United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road Welwyn Garden City Hertfordshire AL7 1BW, United Kingdom, Telephone: 44-(0)1707-294888, Fax: 44(0)1707-325777 E-mail: info@hamamatsu.co.uk
North Europe: Hamamatsu Photonics Norden AB: Smidesvägen 12, SE-171-41 SOLNA, Sweden, Telephone: (46)8-509-031-00, Fax: (46)8-509-031-01 E-mail: info@hamamatsu.se
Italy: Hamamatsu Photonics Italia: S.R.L.: Strada della Moia, 1/E, 20020 Arese, (Milano), Italy, Telephone: (39)02-935 81 733, Fax: (39)02-935 81 741 E-mail: info@hamamatsu.it

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