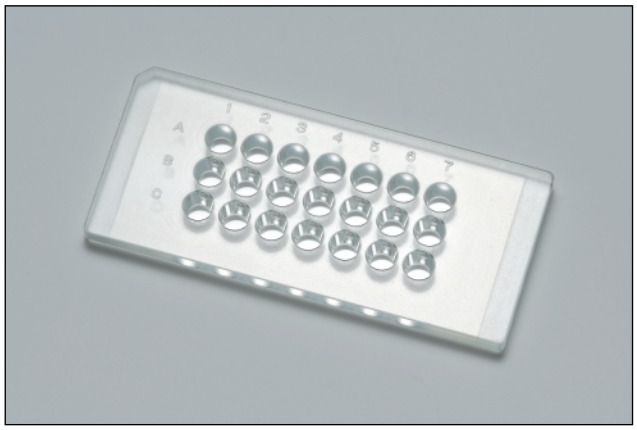
HAMAMATSU

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)**

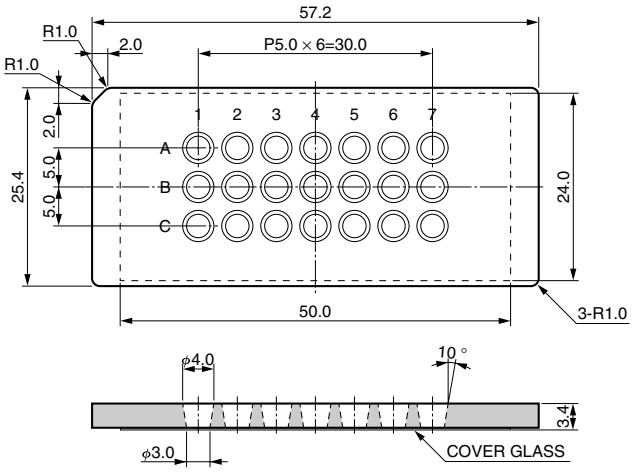


SPECIFICATIONS

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)

DIMENSIONAL OUTLINE (Unit: mm)



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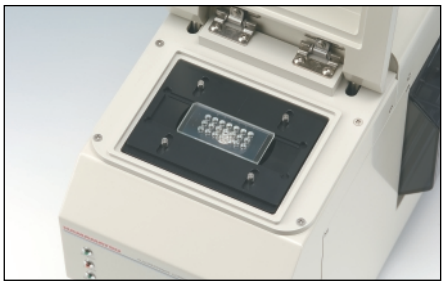
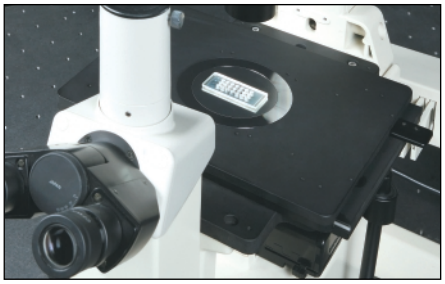
APPLICATION EXAMPLES

●FCS unit C9413 series



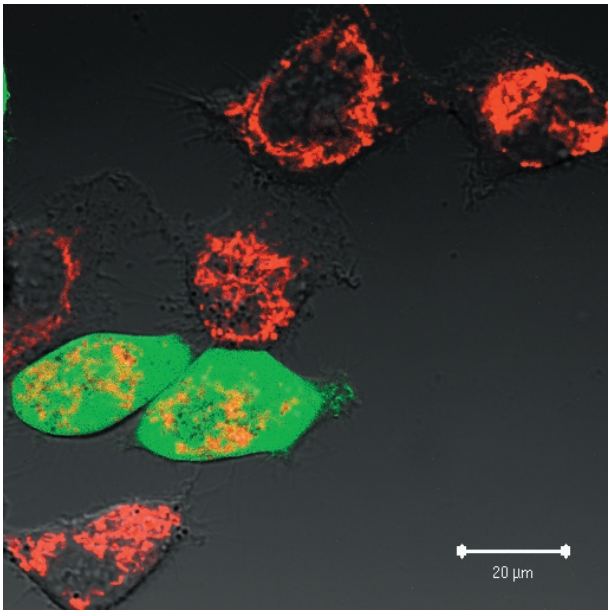
●Inverted microscope



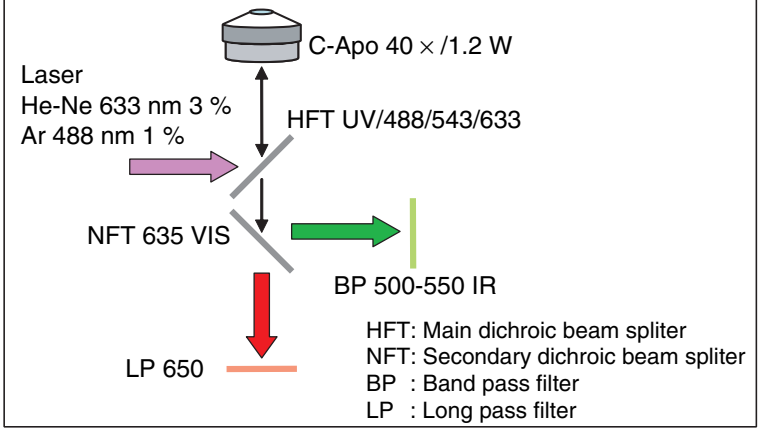
Notes:
Sonication should be limited to one time only. (Sonication time cannot exceed 15 minutes.)
Please handle with care when cleaning the microwell slide in a beaker or some other glass container, as cracks may form on the microwell slide upon contact with a glass surface.

MEASUREMENT EXAMPLES

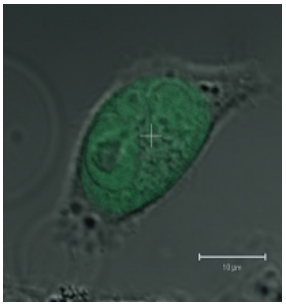
■Measurement example 1: EGFP expressing and non-expressing HeLa cell stained with MitoTracker Deep Red 633 FM

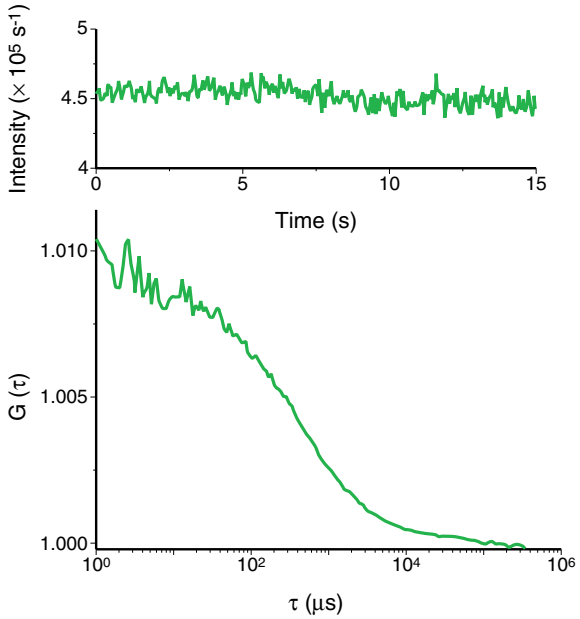


- System: Confocal laser scanning microscope
- Sample: HeLa cell (EGFP expressing and non-expressing)
- Orthochromatic dye: MitoTracker Deep Red 633 FM
  (Molecular Probes, M22426)
  (Ex 644 nm, Em 665 nm)
- Staining conditions: 100 nM in OPTI-MEM, 37 °C, 5 %CO_2, 20 min



■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

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