

FEATURES

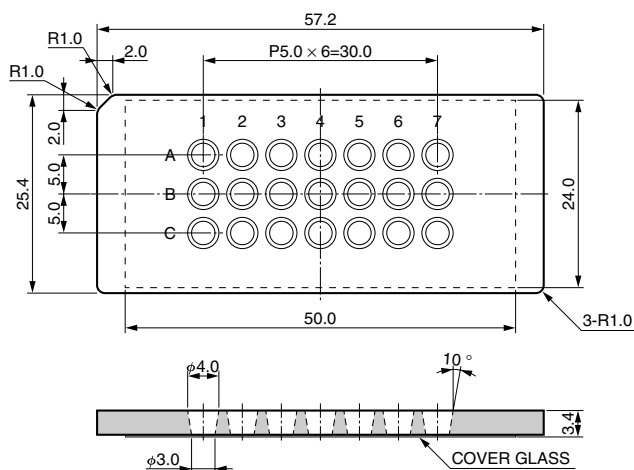
- Small well volume (25 μ L) for conserving samples or reagents
- Optical grade bottom cover glass that allows measurement with an inverted microscope
- Alphanumeric grid for easy sample identification
- Background fluorescence is minimized by the glass
- Suitable for fluorescence correlation spectroscopy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

SPECIFICATIONS

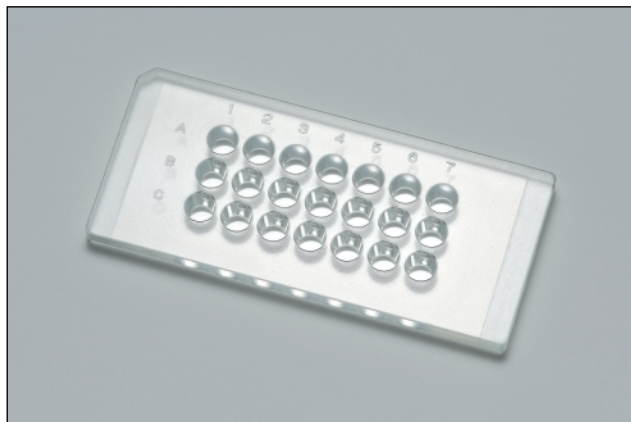
Parameter	Description / Value	
Material	Slide glass	Soda-lime glass
	Cover glass	Borosilicate glass
Number of wells	21 (3 \times 7)	
Recommended working volume	25 μ L	
Well diameter	4 mm (top), 3 mm (bottom)	
Well depth	3.1 mm	
Cover glass thickness	0.12 mm to 0.17 mm	
Refractive index of cover glass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

NOTE: * Max. autoclaving cycle: 3 times (121 $^{\circ}$ C, 103 kPa, 20 minutes)

DIMENSIONAL OUTLINE (Unit: mm)

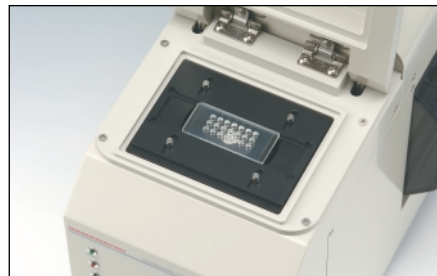


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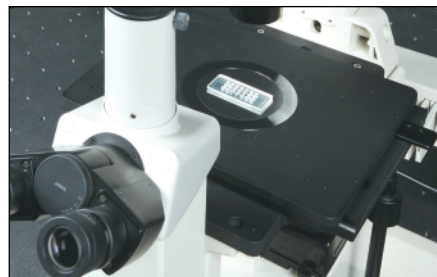


APPLICATION EXAMPLES

● FCS unit C9413 series



● Inverted microscope



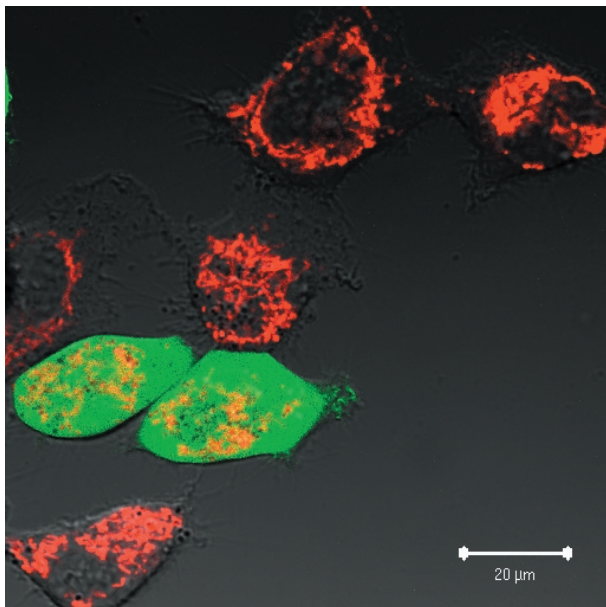
Notes:

Sonication should be limited to one time only. (Sonication time cannot exceed 15 minutes.)

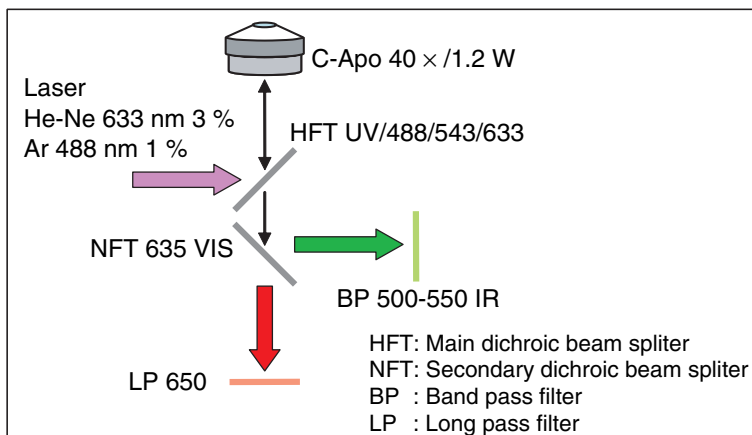
Please handle with care when cleaning the microwell slide in a beaker or some other glass container, as cracks may form on the microwell slide upon contact with a glass surface.

MEASUREMENT EXAMPLES

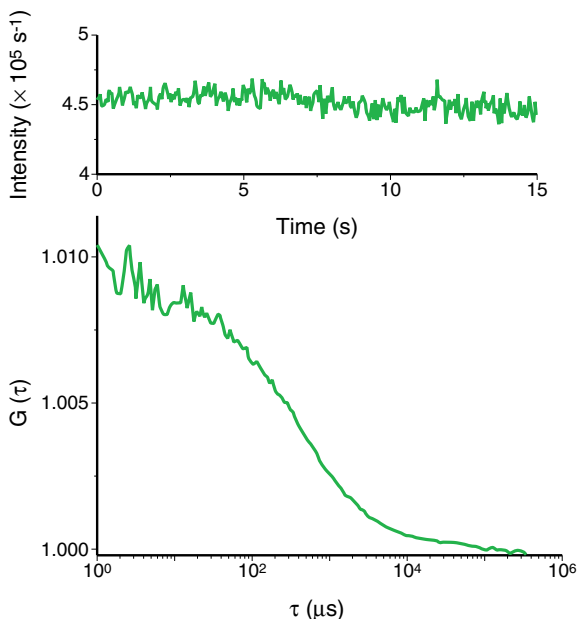
■ Measurement example 1: EGFP expressing and non-expressing HeLa cell stained with MitoTracker Deep Red 633 FM



- 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 %CO₂, 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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