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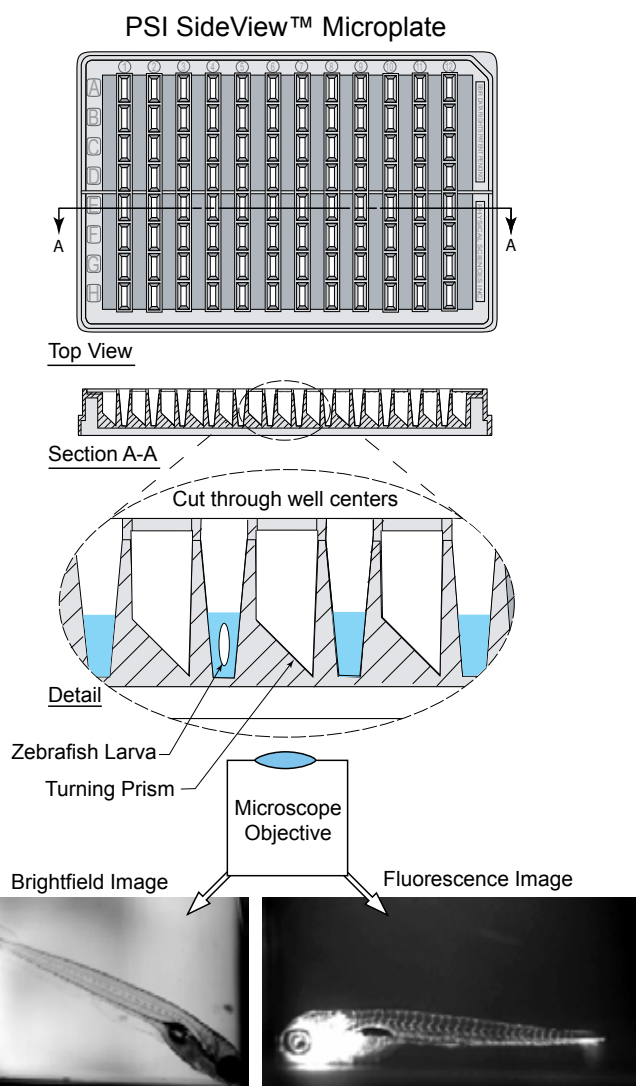
PSI SideView™ Imaging Microplate

Features

- 96-well SideView™ Microplate for collecting side-view images
 - Rectangular well design
 - One piece design incorporating right-angle prisms to view the contents of wells from the side

Potential Applications

- Embryonic/larval imaging
 - Zebrafish
 - Medaka
 - Xenopus
 - Drosophila
- Other models
 - C. elegans
 - Arabidopsis
- Drug discovery
 - Cardiovascular disease
 - Lipid biosynthesis
 - Neuronal development/disease
- Temporal studies
 - Zebrafish viable in wells for up to 8 days
- Early stage toxicology studies
- Imaging Modalities
 - Fluorescence
 - Brightfield
 - Polarization



Both Images were Collected Using the PSI SideView™ Arrays

Specifications

Number of Wells	96
External Dimensions (L x W x H)	127.76 mm x 85.4 mm x 14.35 mm
Well Dimensions (L x W)	6.19 mm x 1.69 mm (well bottom) 8.02 mm x 3.52 mm (top)
Well Volume (Max/Top of Prism)	213 μ L / 53 μ L
Required Working Distance for Optimum Performance	12 mm
Well Spacing	ANSI/SBS Standard Spacing
Optical Grade Material Wavelength Range Chemical Compatibility	Cyclic Olefin Copolymer Excellent Transmittance from 340 nm – NIR Acids, Bases, Polar Solvents

Imaging System Requirements

Microplate Holder	ANSI/SBS Standard Dimensions
Long Working Distance Objective	\geq 12 mm
Spacer Ring - If focus travel insufficient to bring objective close to base of microplate	9 mm Height

Compatible Accessories

- Robotic Liquid Handling Systems
- Microplate Stacking Robotics
- COPAS™ BioSorter™ Systems
 - Automated addition of zebrafish embryos/larvae to wells
 - Automated addition of other small animal models to wells
- SideView Blue Top Illumination Source
 - Fluorescence Excitation
 - Brightfield
- SideView Masks
 - Background reduction



SideView Masks



SideView Blue Top Illumination Source

Please inquire about your specific application.

For further information, contact: **Dr. Anthony Ferrante**
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