

TOQUARTZ Product Catalog

TOQUARTZ® Quartz Micro Fluorescence Cuvette

Integrated Engineering & Agile Production

for Demanded Specifications

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QTOQUARTZ® QUARTZ MICRO FLUORESCENCE CUVETTE

TOQUARTZ® is a specialized manufacturer of high-purity quartz products based in China, serving global B2B clients in laboratory instrumentation, biomedical research, and environmental monitoring. With in-house engineering support and flexible production capabilities, we offer both standard and custom TOQUARTZ® Quartz Micro Fluorescence Cuvette with fast delivery and consistent quality.



QTOQUARTZ® QUARTZ MICRO FLUORESCENCE CUVETTE



Key Features

- Ultra-High Purity: 99.995% SiO₂ content ensures minimal background fluorescence
- Superior Optical Transparency: Excellent transmission from 200nm to 2500nm with no absorption peaks
- Chemical Resistance: Stable against acids, bases, and most laboratory chemicals
- Thermal Stability: Operating temperature up to 1100°C
- Custom Capabilities: Adaptable to specific research and instrumentation requirements

QTOQUARTZ® QUARTZ MICRO FLUORESCENCE CUVETTE



Applications

- DNA/RNA quantification and analysis
- Protein fluorescence studies
- Fluorescent dye measurements
- Environmental contaminant detection
- Pharmaceutical compound analysis
- Quality control in chemical manufacturing
- Research in biochemistry and molecular biology
- Integration into analytical instrumentation



TECHNICAL SPECIFICATIONS

Physical Properties

- Density: 2.2 g/cm³
- Fracture Modulus: >350 MPa
- Thermal Conductivity: 120-160 W/m.K
- Surface Finish: Optical polish
- Wall Thickness Tolerance: ±0.1mm

Chemical Properties

- SiO₂ Content: 99.995%
- Acid Resistance: Excellent
- Alkali Resistance: Good
- Solvent Resistance: Excellent
- Chemical Inertness: Superior

Optical Properties

- Transmission Range: 200-2500nm
- UV Cutoff: <170nm
- Transmission (200-800nm): >80%
- Refractive Index (589.3nm): 1.4585
- Absorption Peaks: None in range



300µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	Path Length	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4002-1	300µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	10mm	300µl	12.5x12.5 x45mm	12.5x12.5x 45mm



700µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	Path Length	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4007-1	700µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	10mm	700µl	12.5x12.5 x45mm	12.5x12.5x 45mm



200µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	Path Length	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4015	200µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	4mm/10 mm	200μl	12.5x12.5 x45 mm	12.5x12.5x 45mm



100µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	Path Length	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4015-1	100µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	2mm/10 mm	100μl	12.5x12.5 x45mm	12.5x12.5x 45mm



200µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	Path Length	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4016	200µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	4mm/10 mm	200μl	12.5x12.5 x45mm	12.5x12.5x 45mm



1400µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	PathLen gth	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4026-1	1400µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	4mm/10 mm	1400µl	12.5x12.5 x45mm	12.5x12.5x 45mm



350µl-1750µl Quartz Micro Fluorescence Cuvette

Model	Description	Wavelength	PathLen gth	Volume	Outline Dimensio n	Outline Dimension
AT-BSM- 4036	350µl-1750µl Quartz Micro Fluorescence Cuvette	200nm- 2500nm	10mm	350µl- 1750µl	12.5x12.5 x45mm	12.5x12.5x 45mm



Customization Services Our engineering team provides comprehensive customization options to meet your specific requirements:

- Dimensional Customization: Custom sample volumes, special path lengths, non-standard dimensions
- Surface Treatments: Black wall coatings, frosted sections, anti-reflective coatings
- Specialized Configurations: Custom lid/cap designs, flow-through options, instrument-specific features

QUALITY ASSURANCE

Each TOQUARTZ Quartz Cuvette undergoes rigorous quality control testing:

- Dimensional Verification: Precision measurement of all critical dimensions
- Optical Transmission Testing: Verification of spectral transmission properties
- Surface Quality Inspection: Microscopic examination of polished surfaces
- Paired Performance Testing: Validation of optical consistency

Contact Information

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TOQUARTZ® - Precision Quartz Solutions for Industry and Research

For technical specifications, custom requirements, or pricing information, please contact our sales team.