

TOQUARTZ Product Catalog

TOQUARTZ® Quartz Micro Fluorescence Cuvette with Open Top and Slanted Edge

Integrated Engineering & Agile Production

for Demanded Specifications



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TOQUARTZ® QUARTZ MICRO FLUORESCENCE CUVETTE WITH OPEN TOP AND SLANTED EDGE

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 Open Top and Slanted Edge with fast delivery and consistent quality.





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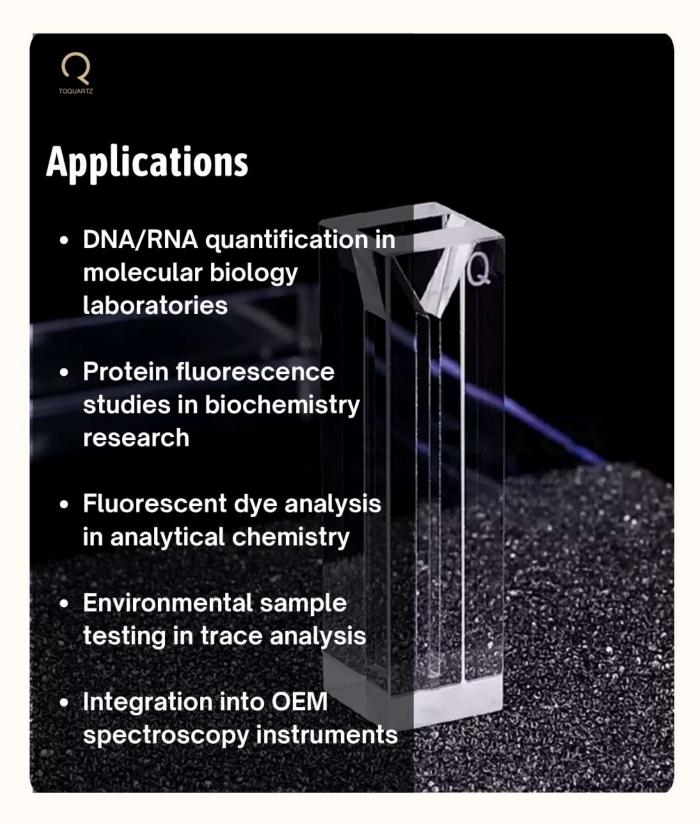


Key Features

- Superior Optical Performance: Transmission range of 200-2500nm with no absorption peaks
- Precision Slanted Edge Design: Engineered for easy sample loading and reduced bubble formation
- High Chemical Resistance: Maintains stability against acids, bases, and corrosive solutions
- Thermal Stability: Withstands temperatures up to 100°C
- Ultra-Low Volume: 140µL capacity for precious sample conservation
- Standard Dimensions: Compatible with most major spectrofluorometer brands



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TECHNICAL SPECIFICATIONS

Material	High-purity quartz (≥99.98% SiO₂)		
Path Length	1mm/4mm		
Volume	140µL		
Wavelength Range	200nm-2500nm		
Thermal Stability	Up to 100°C		
Outer Dimensions	12.5×12.5×45mm		
Wall Thickness Tolerance	±0.1mm		
Surface Finish	Optical polish on all four sides		
Thermal Expansion Coefficient	5.5×10 ⁻⁷ /°C		

SIZE CHART



140µl Quartz Micro Fluorescence Cuvette with Open Top and Slanted Edge

Model	Description	Waveleng th	PathLen gth	Volume	Thermal Stability	Outline Dimension
AT-BSM- 4020	140µl Quartz Micro Fluorescence Cuvette with Open Top and Slanted Edge	200nm- 2500nm	1mm/4 mm	140µl	100°C	12.5x12.5x45 mm

☐ CUSTOM ENGINEERING SERVICES

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

- Custom path lengths
- Sample volume variations
- Modified slanted edge angles for specific loading requirements
- Ultra-high purity quartz options (≥99.995% SiO₂)
- Specialized optical window configurations

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