



# TOQUARTZ

## Product Catalog

# **TOQUARTZ®**

## **Quartz Micro Fluorescence Cuvette with Open Top and Slanted Edge**

Integrated Engineering & Agile Production  
**for Demanded Specifications**





## 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.



### Product Overview

**TOQUARTZ® High-purity quartz micro fluorescence cuvette featuring an open-top design with precision slanted edge for easy sample loading and reduced bubble formation. Manufactured from optical-grade quartz ( $\geq 99.98\%$   $\text{SiO}_2$ ), offering excellent UV-VIS-NIR transmission and superior chemical resistance. Ideal for DNA/RNA quantification, protein analysis, and ultra-low volume fluorescence spectroscopy applications.**



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



### 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





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



### Applications

- DNA/RNA quantification in molecular biology laboratories
- Protein fluorescence studies in biochemistry research
- Fluorescent dye analysis in analytical chemistry
- Environmental sample testing in trace analysis
- Integration into OEM spectroscopy instruments





# TECHNICAL SPECIFICATIONS

Material	High-purity quartz ( $\geq 99.98\%$ SiO <sub>2</sub> )
Path Length	1mm/4mm
Volume	140 $\mu$ L
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 <sup>-7</sup> /°C



# SIZE CHART



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

Model	Description	Wavelength	PathLength	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 ( $\geq 99.995\%$   $\text{SiO}_2$ )
- 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.*