



TOQUARTZ

Product Catalog

TOQUARTZ®

Quartz Fluorescence

Cuvette with Screw Cap

Integrated Engineering & Agile Production
for Demanded Specifications





TOQUARTZ® QUARTZ FLUORESCENCE CUVETTE WITH SCREW CAP

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 Fluorescence Cuvette with Screw Cap with fast delivery and consistent quality.



Product Overview

TOQUARTZ® high-purity quartz fluorescence cuvettes with screw caps are designed for demanding spectroscopic applications in research, analytical, and industrial environments. These precision-engineered cuvettes combine excellent optical properties with superior chemical resistance and reliable sealing capabilities.



TOQUARTZ® QUARTZ FLUORESCENCE CUVETTE WITH SCREW CAP



Key Features

- High-Purity Material: $\geq 99.98\%$, max. up to 99.995% SiO_2
- Exceptional Light Transmission: 190-2500nm wavelength range
- Precision Manufacturing: $\pm 0.1\text{mm}$ dimensional tolerance
- Secure Sealing: PTFE screw cap prevents evaporation and contamination
- Chemical Resistance: Stable with most acids, bases, and organic solvents



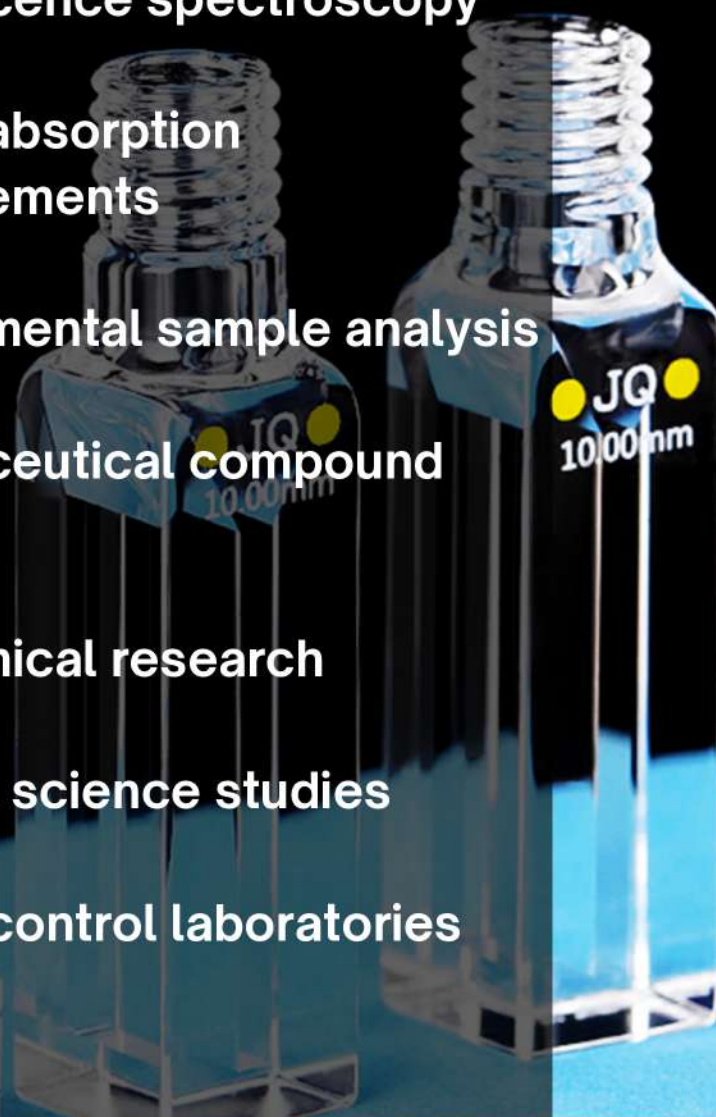


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Applications

- Fluorescence spectroscopy
- UV-VIS absorption measurements
- Environmental sample analysis
- Pharmaceutical compound testing
- Biochemical research
- Material science studies
- Quality control laboratories





TECHNICAL SPECIFICATIONS

Physical Properties

Parameter	Specification
Material	High-purity fused quartz
Purity	≥99.98%, up to 99.995% SiO ₂
Standard Dimensions	12.5mm × 12.5mm × 45mm (W × D × H)
Wall Thickness	1.25mm standard
Path Length	10mm standard (other options available)
Dimensional Tolerance	±0.1mm
Cap Material	PTFE

Optical Properties

Parameter	Specification
Transmission Range	190-2500nm
Transmittance	≥80% across specified range
Surface Finish	Optical polish on all windows
Optical Windows	Four-sided clear

Chemical Properties

Parameter	Specification
Chemical Resistance	Excellent to most acids/bases/solvents
Thermal Expansion	5.5×10 ⁻⁷ /°C
Temperature Resistance	Up to 1100°C
Hydrophobicity	Moderate ↓



SIZE CHART



1750µl Quartz Fluorescence Cuvette with Screw Cap

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6017	1750µl Quartz Fluorescence Cuvette with Screw Cap	10mm	1750µl	12.5x12.5x52 mm



SIZE CHART



700µl Quartz Fluorescence Cuvette with Screw Cap Path Length 2mm

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6018	700µl Quartz Fluorescence Cuvette with Screw Cap Path Length 2mm	2mm	700µl	12.5x12.5x45 mm



SIZE CHART



700µl Quartz Fluorescence Cuvette with Screw Cap Path Length 10mm

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6018-1	700µl Quartz Fluorescence Cuvette with Screw Cap Path Length 10mm	10mm	700µl	12.5x12.5x45 mm



SIZE CHART



600µl Quartz Fluorescence Cuvette with Screw Cap Path Length 3mm

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6022	600µl Quartz Fluorescence Cuvette with Screw Cap Path Length 3mm	3mm	600µl	12.5x12.5x45 mm



SIZE CHART



600µl Quartz Fluorescence Cuvette with Screw Cap Path Length 10mm

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6022-1	600µl Quartz Fluorescence Cuvette with Screw Cap Path Length 10mm	10mm	600µl	12.5x12.5x45 mm



CUSTOM ENGINEERING SERVICES

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

- Standard 10mm path length
- Micro-volume options
- Custom dimensions available
- Special optical window configurations
- Flow-through adaptations



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

Email: info@toquartz.com

Website: www.toquartz.com

TOQUARTZ® - Precision Quartz Solutions for Industry and Research

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