



TOQUARTZ

Product Catalog

TOQUARTZ®

Quartz Micro Cuvette with Screw Cap

Integrated Engineering & Agile Production
for Demanded Specifications





TOQUARTZ® QUARTZ MICRO 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 Micro Cuvette with Screw Cap with fast delivery and consistent quality.



Product Overview

TOQUARTZ® Quartz Micro Cuvette with Screw Cap is designed for precise spectrophotometric analysis in UV, visible, and NIR ranges (200–2500nm). Made from high-purity quartz (up to 99.995% SiO₂), it offers excellent chemical resistance, thermal stability, and optical clarity. The screw cap ensures a secure seal, preventing sample evaporation or contamination, making it ideal for micro-volume biological or chemical assays.



TOQUARTZ® QUARTZ MICRO CUVETTE WITH SCREW CAP



Key Features

- Superior Material Purity: up to 99.995% SiO₂ for exceptional clarity and minimal interference
- Broad Spectral Transmission: 200-2500nm wavelength range with high transparency
- Chemical Resistance: Resistant to most acids, bases, and organic solvents
- Thermal Stability: Withstands temperatures up to 1100°C
- Secure Screw Cap Sealing: PTFE screw caps provide hermetic sealing to prevent sample evaporation



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Applications

- **Biological Research:** DNA/RNA quantification, protein analysis
- **Pharmaceutical Testing:** Drug compound analysis, quality control
- **Environmental Analysis:** Water, soil, and air sample testing
- **Biochemical Assays:** Enzyme kinetics, ligand binding studies
- **Educational Research:** Academic laboratory applications



TECHNICAL SPECIFICATIONS

Material Properties:

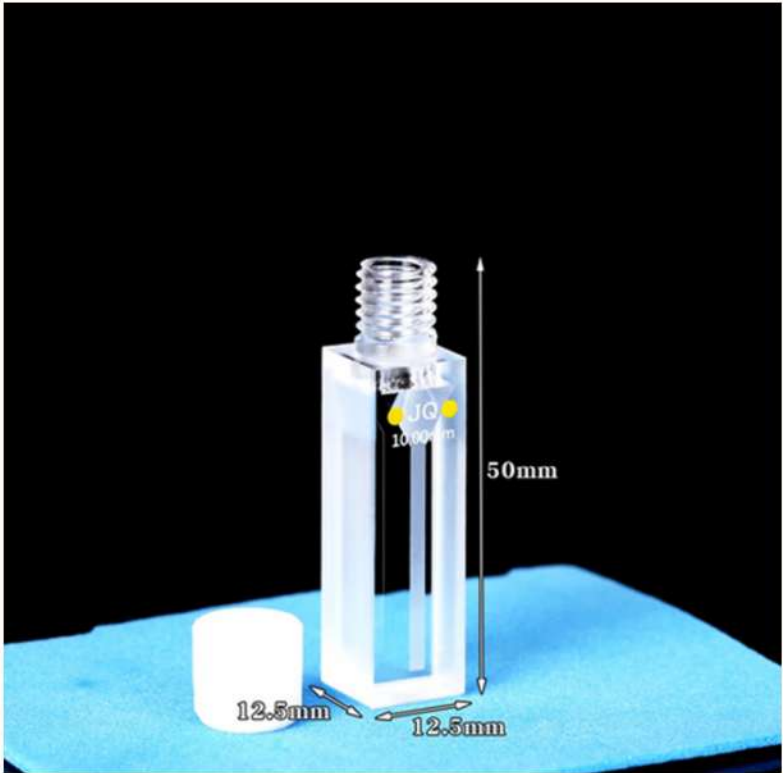
- **SiO₂ Content:** $\geq 99.995\%$
- **Density:** 2.2 g/cm^3
- **Thermal Expansion:** $5.5 \times 10^{-7}/^{\circ}\text{C}$
- **Max Temperature:** 1100°C
- **Refractive Index:** 1.46 (@ 589.3nm)
- **Dimension Tolerance:** $\pm 0.1\text{mm}$

Cap Specifications:

- **Material:** PTFE (Polytetrafluoroethylene)
- **Temperature Range:** -200°C to $+260^{\circ}\text{C}$
- **Chemical Resistance:** Excellent to most chemicals
- **Thread Type:** Standard M8 or M10 thread



SIZE CHART



700µl Quartz Micro Cuvette with Screw Cap

Model	Description	Wavelength	PathLength	Volume	Transmittance	Outline Dimension
AT-BSM-4004	700µl Quartz Micro Cuvette with Screw Cap	200nm-2500nm	10mm	700µl	>80% (Paired Testing)	12.5x12.5x50mm



SIZE CHART



350µl, 400µl, 600µl Quartz Micro Cuvette with Screw Cap

Model	Description	Wavelength	PathLength	Volume	Transmittance	Outline Dimension
AT-BSM-4005	350µl, 400µl, 600µl Quartz Micro Cuvette with Screw Cap	200nm-2500nm	10mm	350µl/400µl/600µl	>80% (Paired Testing)	12.5x12.5x45mm



SIZE CHART



350µl,700µl, 1050µl, 1400µl, 1750µl Quartz Micro Cuvette with Screw Cap

Model	Description	Wavelength	PathLength	Volume	Transmittance	Outline Dimension
AT-BSM-4013	350µl,700µl, 1050µl, 1400µl, 1750µl Quartz Micro Cuvette with Screw Cap	200nm-2500nm	10mm	350µl/700µl/1050µl/1400µl/1750µl	>80% (Paired Testing)	12.5x12.5x53mm



SIZE CHART



1750µl Quartz Micro Cuvette with Screw Cap

Model	Description	Wavelength	PathLength	Volume	Transmittance	Outline Dimension
AT-BSM-4038	1750µl Quartz Micro Cuvette with Screw Cap	200nm-2500nm	5mm/10mm	1750µl	>80% (Paired Testing)	12.5x12.5x75mm



CUSTOM ENGINEERING SERVICES

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

- Custom path lengths
- Special internal volumes
- Black wall coatings for fluorescence
- Modified cap and sealing systems
- Enhanced optical polishing



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.