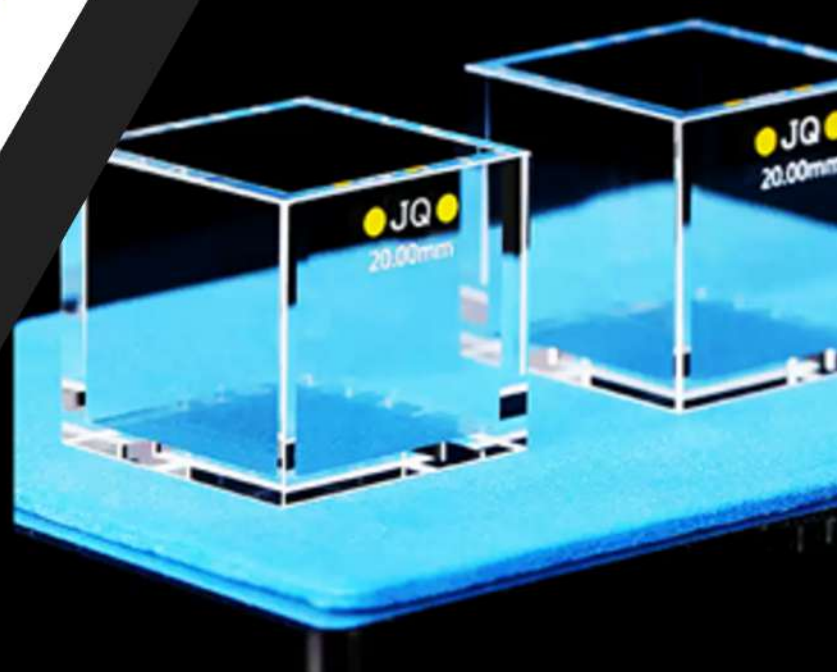
TOQUARTZ

TOQUARTZ
Product Catalog

TOQUARTZ®
Quartz Fluorescence Reaction Cuvette

Integrated Engineering & Agile Production
for Demanded Specifications



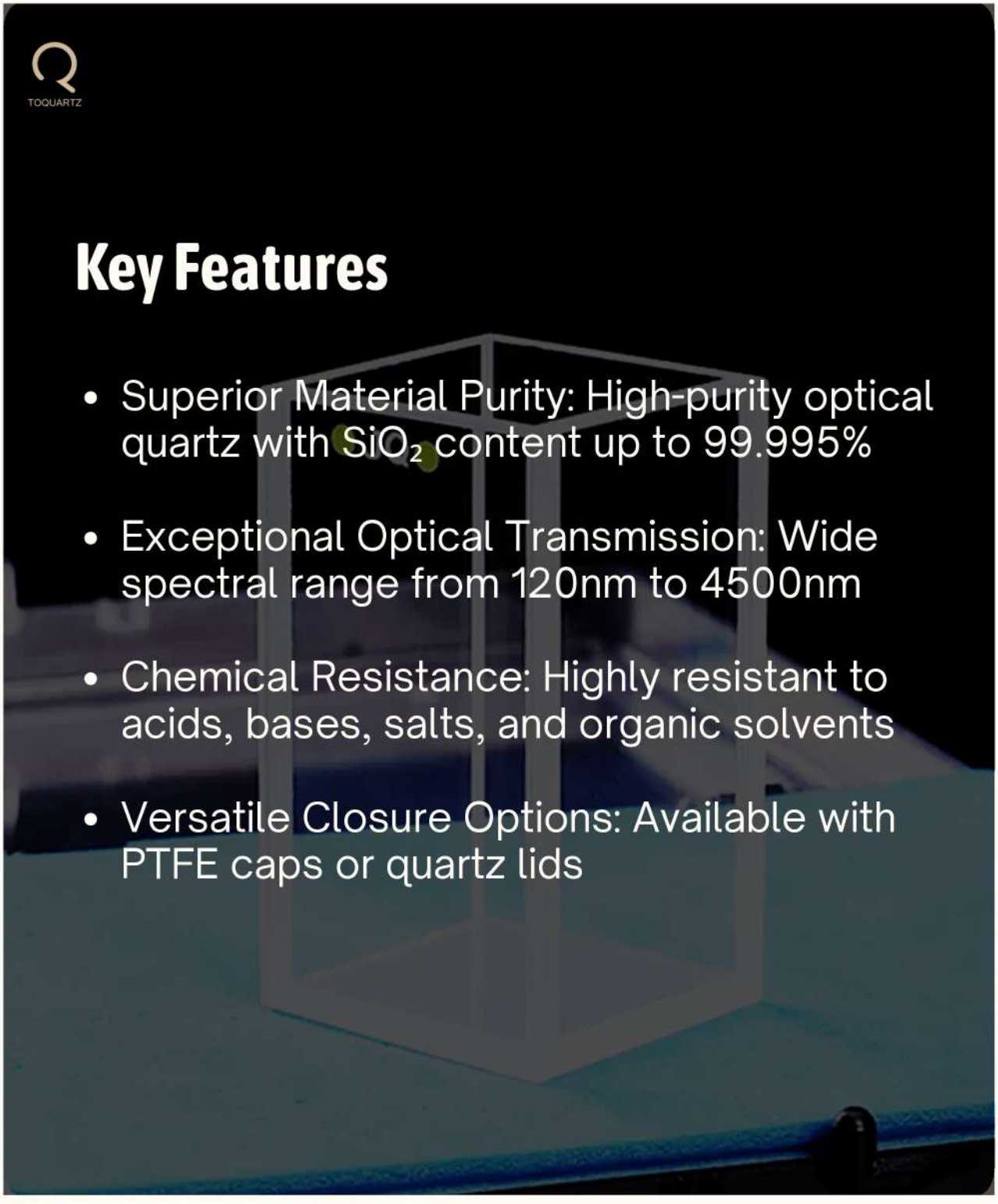
TOQUARTZ® QUARTZ FLUORESCENCE REACTION CUVETTE

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 Fluorescence Reaction Cuvette with fast delivery and consistent quality.

Product Overview

TOQUARTZ® High-purity optical quartz cuvettes (≥99.995% SiO_2) with exceptional UV-Vis-NIR transmission (120–4500nm). Designed for fluorescence spectroscopy, photometric analysis, and chemical reaction monitoring. Available in standard and custom dimensions with PTFE or quartz cap options.

TOQUARTZ® QUARTZ FLUORESCENCE REACTION CUVETTE



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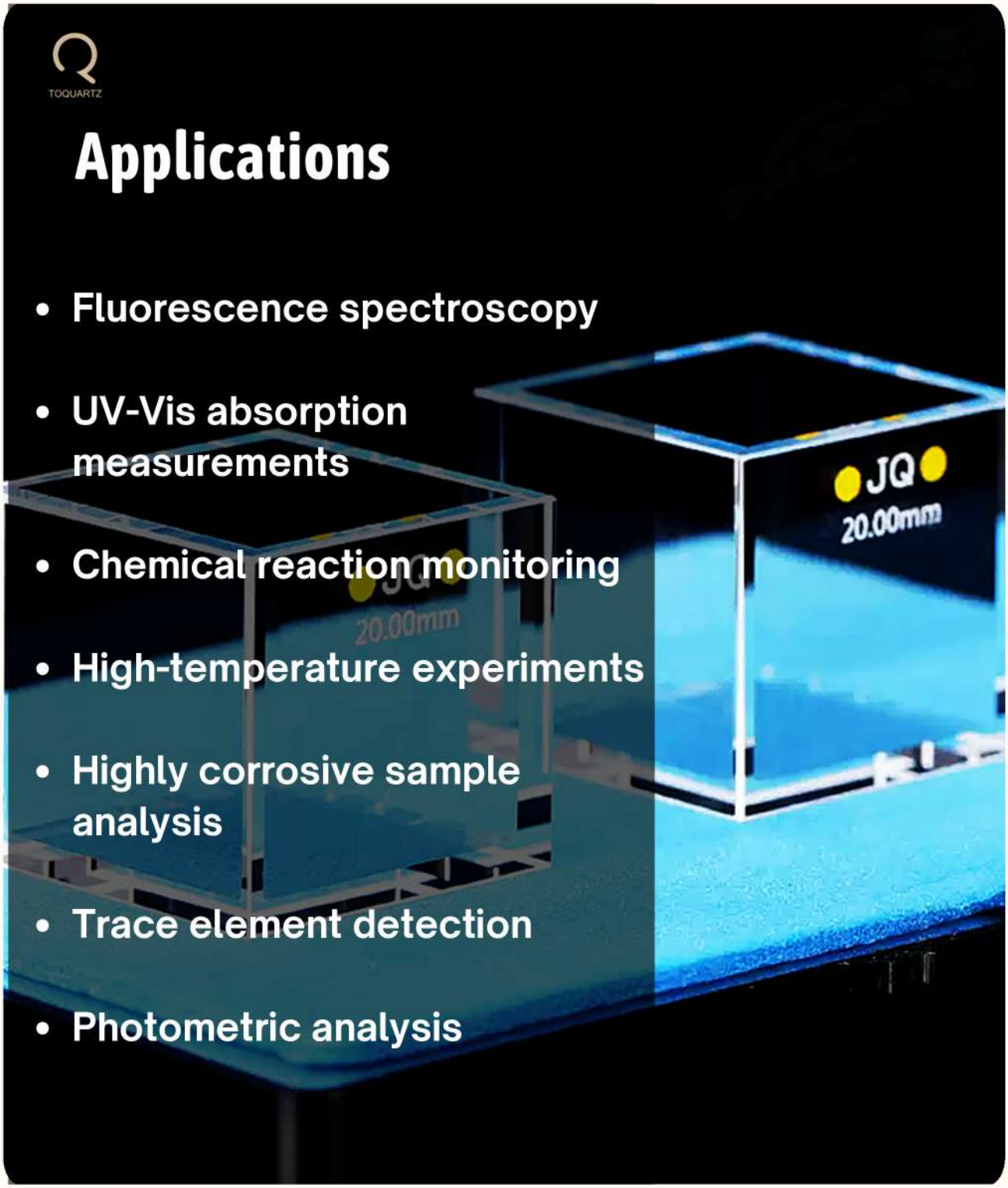


TECHNICAL SPECIFICATIONS

Physical Properties

Property	Specification
Material	High-purity optical quartz (≥99.995% SiO_2)
Standard Path Lengths	10mm, 20mm, 30mm (±0.1mm)
Wall Thickness	1.25mm–2.5mm (±0.1mm)
Surface Finish	Optical grade polishing
Cap Options	PTFE caps, quartz lids
Density	2.2 g/cm³

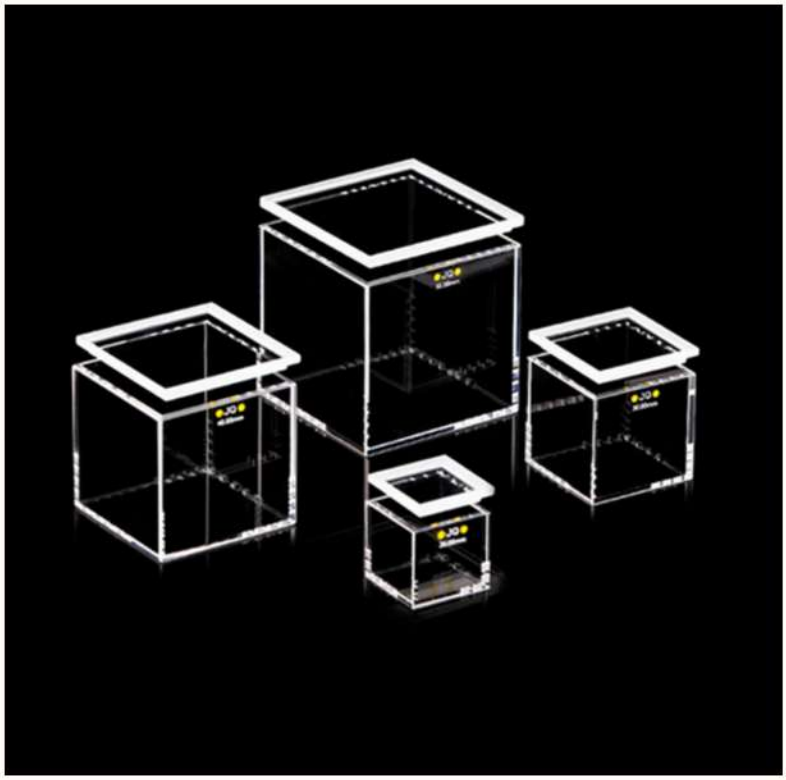
Chemical Properties

Property	Specification
Chemical Composition	SiO_2 ≥99.995%
Acid Resistance	Excellent (except HF)
Alkali Resistance	Very good
Solvent Compatibility	Compatible with all common organic solvents

Optical Properties

Property	Specification
Transmission Range	120nm–4500nm
Refractive Index	1.46 (at 589.3nm)
Thermal Expansion Coefficient	5.5×10^{-7} /°C
Maximum Operating Temperature	1100°C
Softening Point	1730°C

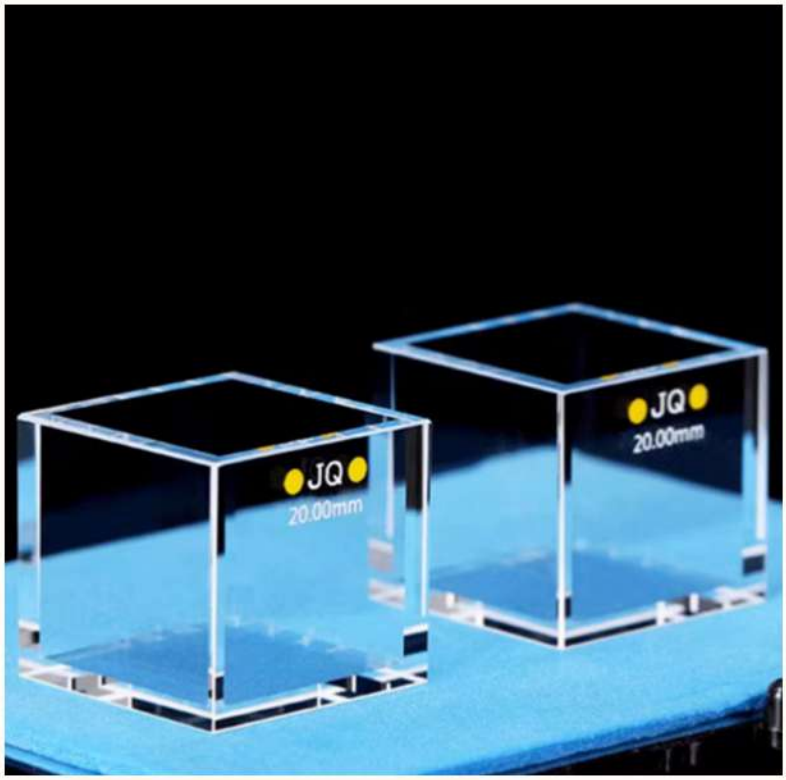
SIZE CHART



20mm Quartz Fluorescence Reaction Cuvette

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6006	20mm Quartz Fluorescence Reaction Cuvette	20mm	8000μl	24x24x22mm

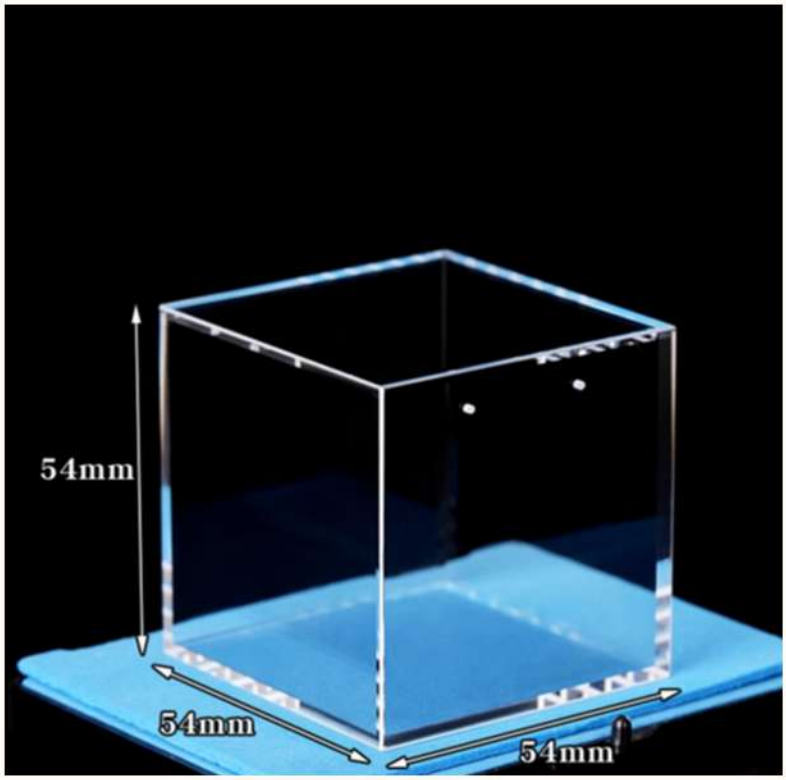
SIZE CHART



30mm Quartz Fluorescence Reaction Cuvette

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6006-1	30mm Quartz Fluorescence Reaction Cuvette	30mm	27000μl	34x34x32mm

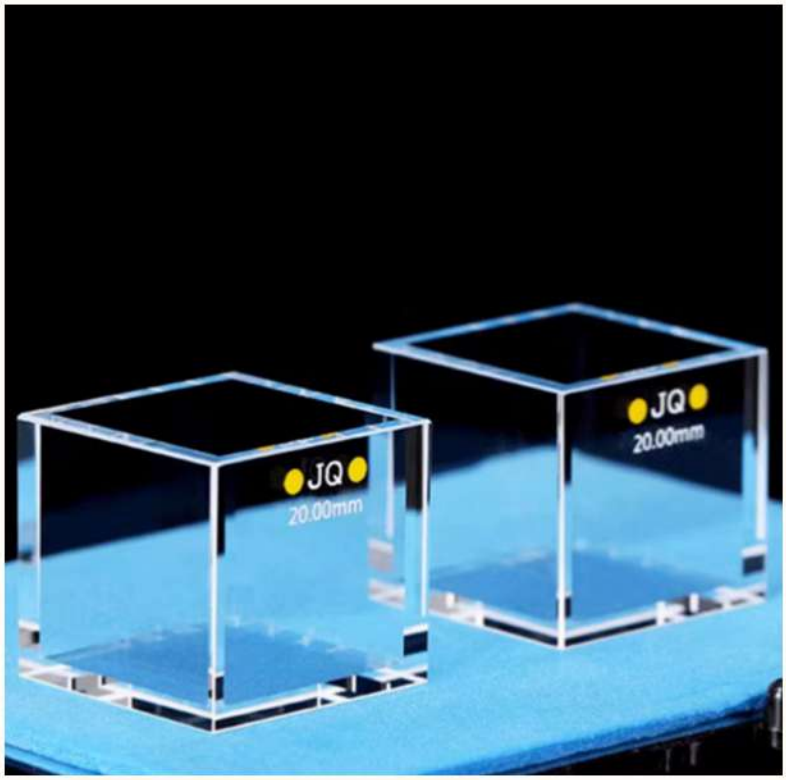
SIZE CHART



40mm Quartz Fluorescence Reaction Cuvette

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6006-2	40mm Quartz Fluorescence Reaction Cuvette	40mm	64000μl	44x44x42mm

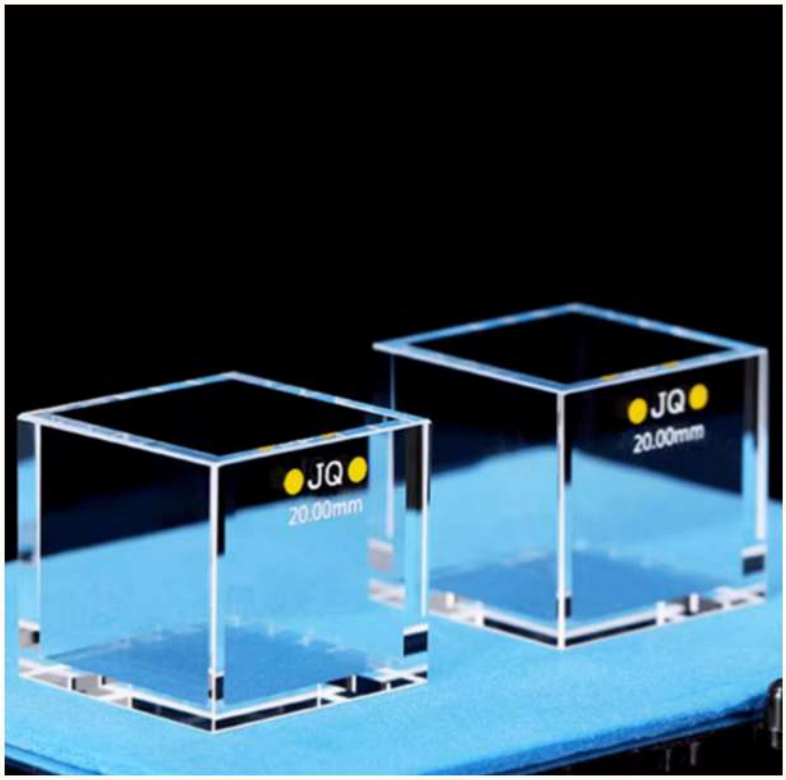
SIZE CHART



50mm Quartz Fluorescence Reaction Cuvette

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6006-3	50mm Quartz Fluorescence Reaction Cuvette	50mm	125000μl	54x54x52mm

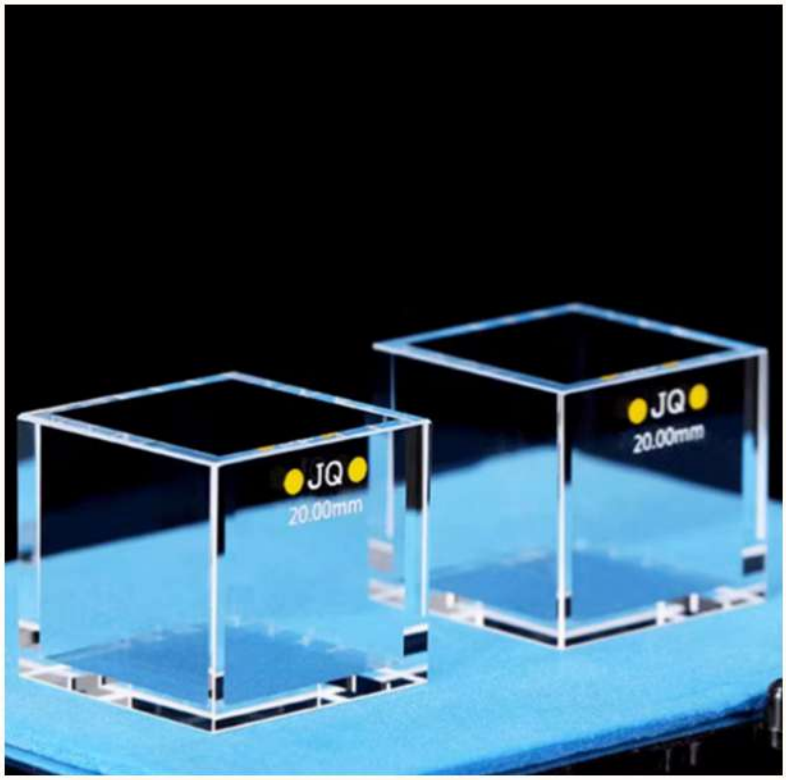
SIZE CHART



20mm Quartz Fluorescence Reaction Cuvette Cell

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6006-4	20mm Quartz Fluorescence Reaction Cuvette Cell	20mm	800µl	24x24x22mm

SIZE CHART



50mm Quartz Fluorescence Reaction Cuvette Cell

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6006-5	50mm Quartz Fluorescence Reaction Cuvette Cell	50mm	125000μl	54x54x54mm

SIZE CHART

20mm Quartz Fluorescence Reaction Cuvette Cell

Model	Description	PathLength	Volume	Outline Dimension
AT-BSM-6011	20mm Quartz Fluorescence Reaction Cuvette Cell	20mm	16000μl	24x24x42mm

CUSTOM ENGINEERING SERVICES

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

- Custom path lengths (2mm–100mm)
- Custom internal volumes
- Specialized wall thickness
- Non-standard shapes (triangular, cylindrical)
- Integrated ports or connections
- Specialized sealing mechanisms
- Flow-through designs
- Temperature control jackets
- Surface treatments and coatings

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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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.