

# TOQUARTZ Tech Specifications

TOQUARTZ®
Quartz Cuvette Fluorescence
UV Sample Cell
with PTFE Stopper
Product Catalog

Integrated Engineering & Agile Production

for Demanded Specifications

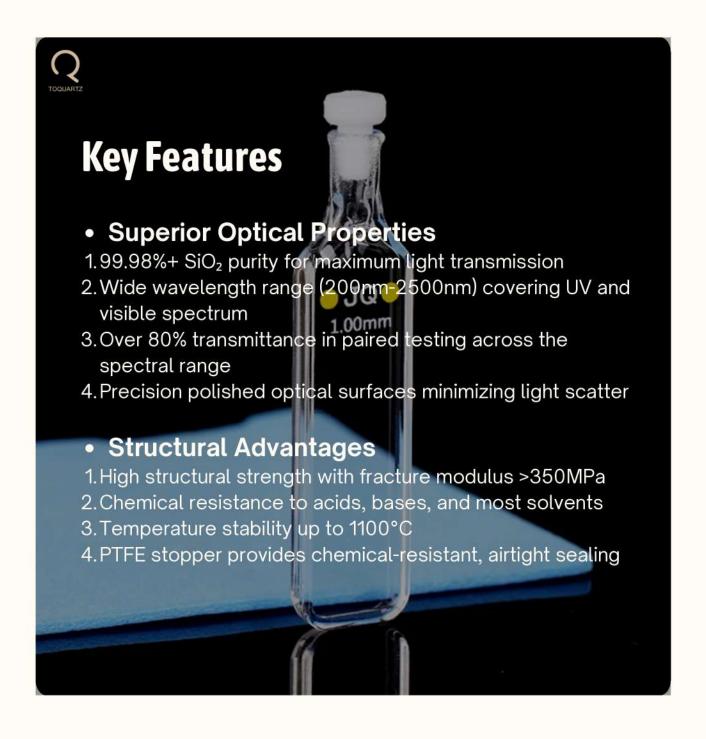


# TOQUARTZ® QUARTZ CUVETTE FLUORESCENCE UV SAMPLE CELL WITH PTFE STOPPER

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 Fluorescence Quartz Cuvette with PTFE Stopper with fast delivery and consistent quality.



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### **Applications**

- Biological Research: DNA/protein quantification fluorescent protein studies
- Environmental Analysis: Water quality testing trace contaminant detection
- Analytical Instrumentation: Integration with spectrofluorometers and analyzers
- Pharmaceutical R&D: Drug discovery and formulation testing
- Educational Institutions: Teaching and research laboratories



### TECHNICAL SPECIFICATIONS

Parameter	Specification			
Material	High-purity quartz (+99.98% SiO₂)			
Thermal Expansion Coefficient	5.5×10 <sup>-7</sup> /°C			
Thermal Conductivity	120-160 W/m.K			
Stopper Material	Optical polishing on windows			
Surface Finish	Optical polish, minimal scatter			
Optical Quality Control	100% visual inspection			

## SIZE CHART



350µl Fluorescence Quartz UV Cuvette with PTFE Stopper

Model	Description	Wavele ngth	Path Length	Volume	Transmittanc e	Outline Dimension
AT-BSM- 021	350µl Fluorescence Quartz UV Cuvette with PTFE Stopper	200nm- 2500nm	1mm	350µl	>80% (Paired Testing)	12.5x3.5x45 mm

## SIZE CHART



700µl Fluorescence Quartz UV Cuvette with PTFE Stopper

Model	Description	Wavele ngth	Path Length	Volume	Transmittanc e	Outline Dimension
AT-BSM- 023	700µl Fluorescence Quartz UV Cuvette with PTFE Stopper	200nm- 2500nm	2mm	700µl	>80% (Paired Testing)	12.5x4.5x45 mm



#### **CUSTOMIZATION OPTIONS**

# TOQUARTZ® offers comprehensive customization services for Fluorescence Quartz Cuvette with PTFE Stopper, including:

- Custom dimensions
- Special internal volumes for sample conservation
- Black-walled options to reduce light scatter
- Multi-window designs for specialized detection angles
- Flow-through adaptations for continuous monitoring



#### **USAGE & CARE GUIDELINES**

Proper handling and maintenance will ensure optimal performance and extended service life. For detailed cleaning protocols and storage recommendations, please refer to our comprehensive user guide or contact our technical support team.



## QUALITY ASSURANCE

All TOQUARTZ® Fluorescence Quartz Cuvette with PTFE Stopper undergo rigorous quality control to ensure consistent performance in demanding applications.:

- Dimensional verification
- Optical transmission testing
- · Surface quality inspection
- Material purity confirmation

#### **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.