

TOQUARTZ Product Catalog

TOQUARTZ® Quartz Dual-Channel Fluorescence Cuvette

Integrated Engineering & Agile Production

for Demanded Specifications



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TOQUARTZ® QUARTZ DUAL-CHANNEL FLUORESCENCE 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 Dual-Channel Fluorescence Cuvette with fast delivery and consistent quality.



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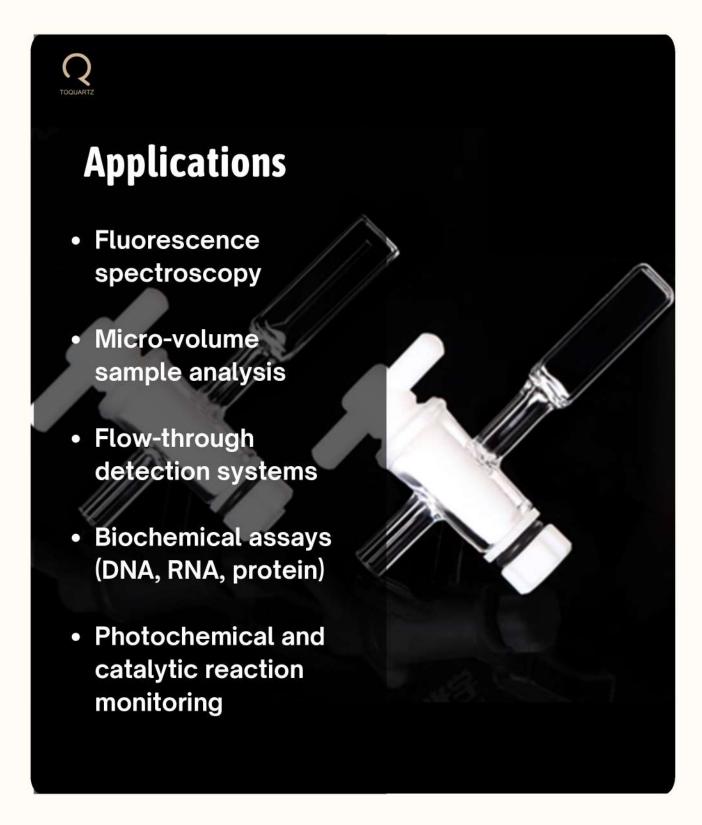


Key Features

- Material: High-purity fused quartz (≥99.995% SiO₂)
- Design: Dual-channel with side arms for inlet/outlet
- Cap: PTFE screw cap with O-ring for airtight sealing
- Thermal Stability: Withstands temperatures up to 1100°C
- Chemical Resistance: Stable against acids, alkalis, and organic solvents

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TECHNICAL SPECIFICATIONS

Physical Properties

- Material: High-purity fused quartz (≥99.995% SiO₂)
- Density: 2.2 g/cm³
- Thermal Expansion: 5.5×10⁻⁷/K
- Max Temperature: 1100°C
- Thermal Conductivity: 1.3 W/m·K

Chemical Properties

- Acid Resistance: Excellent (except HF)
- Alkali Resistance: Good at room temperature
- Solvent Resistance: Excellent for all organic solvents
- Water Absorption: < 0.001%
- Chemical Purity: ≥99.995% SiO₂

Optical Properties

- Transmission Range: 200-2500nm
- UV Cutoff: < 200nm
- Refractive Index: 1.46 at 589nm
- Transmittance: >80% (paired testing)
- · Surface Quality: 60/40 scratch/dig

SIZE CHART



Quartz dual-channel fluorescence cuvette

Model	Description	Waveleng th	Path Length	Volume	Transmitt ance	Outline Dimension
AT-BSM- 6001	Quartz dual-channel fluorescence cuvette	200nm- 2500nm	10mm	350µl- 3500µl	>80% (Paired Testing)	12.5x4.5x55 mm

SIZE CHART



Quartz fluorescence cuvette with dual ports

Model	Description	Waveleng th	Path Length	Volume	Transmitt ance	Outline Dimension
AT-BSM- 6001-1	Quartz fluorescence cuvette with dual ports	200nm- 2500nm	10mm	350µl- 3500µl	>80% (Paired Testing)	12.5x4.5x45 mm

Q CUSTOM ENGINEERING SERVICES

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

- Custom path lengths
- Specialized internal volumes
- Modified external dimensions for instrument compatibility
- Adjustable port placement and orientation
- Special optical window configurations
- Black-walled versions for fluorescence measurements
- Custom surface treatments (polished/frosted)

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.