

## QbSure Beads

PRODUCT DETAILS	
<b>Catalog Number:</b>	B7-10005 (formerly 97-00306-01)
<b>Size:</b>	Each vial contains 2 mL of QbSure Cytometer Validation Particles
<b>Concentration:</b>	Flow Cytometry
<b>Expiration Date:</b>	Product expires 12 months from the date of opening. Please record the opening date on the vial.
<b>Storage:</b>	2-8°C and protected from light. <b>Do not freeze</b>
<b>Volume Per Test:</b>	5 µL / test
<b>Application:</b>	Flow cytometry
<b>Formulation:</b>	Water with 0.01% NP-40 and 0.02% Sodium Azide as preservative.
<b>Limitations:</b>	QbSure particles are light sensitive and need protection from light. Avoid exposure to strong oxidizing agents, bases and extreme heat.

### PRODUCT DESCRIPTION

This product contains a mixture of 3.0 – 3.4 µm particles, dyed to six (6) different fluorescent intensities. Every particle contains a mixture of fluorophores that enables the particles to be excited at any wavelength from 365 to 650 nm.

### RECOMMENDED USAGE

QbSure particles are used for routine performance tracking, evaluation of optics, and standardization of instrument settings for Cytek® flow cytometers. QbSure particles can be used on the Cytek Aurora system, Cytek Northern Lights™ system and Cytek Aurora CS with SpectroFlo or SpectroFlo CS software.

### PROCEDURE

1. To prepare the diluted beads: Vortex the vial for 5 seconds. Add 1 drop of the beads to a labeled 12 x 75mm polystyrene tube. Then add 300 µl of appropriate diluent that matches the one used in the instrument as sheath fluid (PBS or water-based diluents are recommended). Vortex for another 5 seconds to put beads into suspension. Acquire in the flow cytometer shortly after resuspension.
2. Store the diluted beads solution at 2–8°C and protect from light. Reuse for up to 5 days. Discard the diluted beads if storage conditions do not follow the above recommendations.

**For Research Use Only. Not intended for use in diagnostic procedures.**