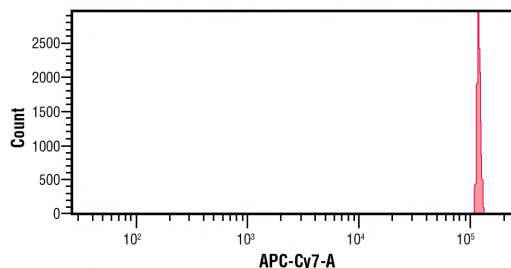
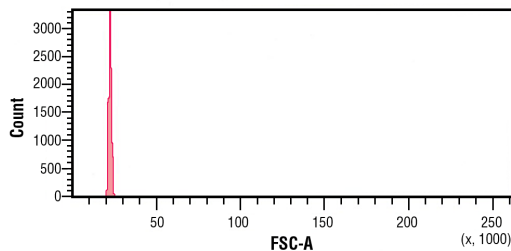


## DESCRIPTION

Flow cytometers generate a tremendous amount of data for each cell that is analyzed, and this is particularly true for instruments equipped with more than one laser. To be meaningful, the information that is collected by the detectors off of each laser must be integrated and attributed to the proper cell. Provided that time delays are in calibration, the instrument is able to "track" the cell as it passes by each laser for the correct data assimilation and reporting.

Bangs' Time Delay Calibration Standard is intended for use in assessing the delay between blue and red lasers. It features ~6µm microspheres dyed with a fluorophore that is excited with 488nm or 635nm excitation, and exhibits red / far-red emission.



## CHARACTERISTICS

Mean Diameter: ~6µm  
 Particle Concentration: 1 x 10<sup>8</sup> particles/mL  
 Lasers: 488nm, 635nm  
 Detectors: PE-Cy<sup>™</sup>5, APC, APC-Cy<sup>™</sup>7

## PROCEDURE

Researchers are advised to optimize the use of particles in any application.

1. Shake the bottle to ensure uniform suspension of microbeads.
2. Add one drop of the suspension to 0.5mL of isotonic phosphate buffered saline (pH 7.2).
3. Use as directed in the instrument's user guide.

## TRADEMARK

Cy<sup>™</sup>, including Cy5 and Cy7, is a trademark of GE Healthcare Limited. These products are manufactured under license from Carnegie Mellon University under U.S. Patent Number 5,268,486 and related patents.

## STORAGE AND STABILITY

Store at 2-8°C. Freezing of particles may result in irreversible aggregation. Stable for 12 months from date of purchase, provided the product is handled in accordance with the manufacturer's recommendations. Standards should be kept in the bottles they are shipped in and protected from light to safeguard against photobleaching. Exposure of this product to room light, even for limited periods, may substantially reduce performance.

## SAFETY

This particle suspension contains sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Material Safety Data Sheet for more information.

**These products are for research use only and are not intended for use in humans or for in vitro diagnostic use.**

## ORDERING INFORMATION

Cat. Number	Description	Color	Sizes
830	Time Delay Calibration Standard	Fluorescent	1mL, 5mL, or 14mL

Order online anytime at [www.bangslabs.com](http://www.bangslabs.com).