

# Size and Count Standards

To Validate Your Procedures



BEADS • ABOVE THE REST



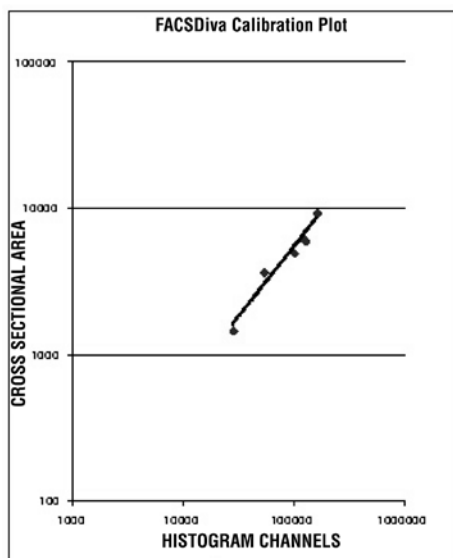
Optimization with Size and Count Standards ensures accurate and reproducible results.

## SIZE STANDARD

### Uniform Size Standards

Flow cytometry can be a useful tool for the estimation of cell size, as forward angle light scatter (FSC) measurements are proportional to the cross-sectional area of cells. FSC data from microspheres of known size may be compared to unknown samples to estimate cell size, and can also be used to generate calibration curves for quality control purposes.

Bangs' Quantum Size Calibration Standards kit is composed of five microsphere populations ranging in size from 4 to 11 $\mu$ m in diameter.

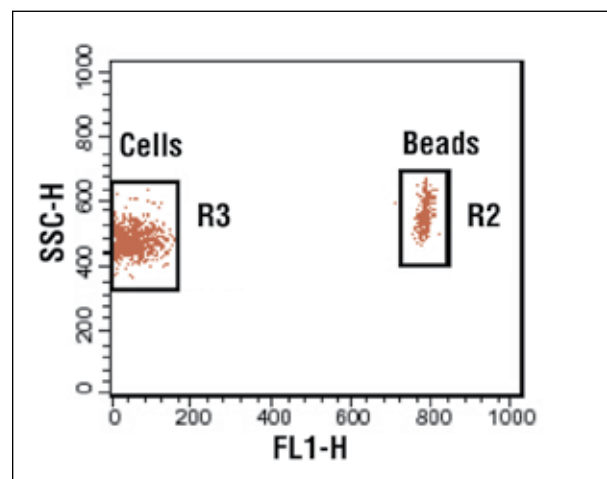


Size Standard

## COUNT STANDARD

### Absolute Counts Made Easy

Bangs' Flow Cytometry Absolute Count Standard™ is designed for the accurate enumeration of cells or particles. The microspheres are internally dyed with multiple fluorochromes, which enable excitation by a common argon (488nm) laser and emission across the full spectrum. Cell count may be easily calculated by determining the ratio of fluorescent count beads to unlabeled cells. The microspheres are sized (7-9 $\mu$ m) and are provided at a known concentration, as verified by an outside source. This permits their use as a count standard in all channels.



Count Standard

## SIZE AND COUNT STANDARDS

Cat. #	Product Description
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829	Size Calibration Standards Kit
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580	Flow Cytometry Absolute Count Standard™
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**Bangs Laboratories** supplies a large variety of uniform polymeric and silica microsphere products setting the standards for diagnostic, research, and flow cytometry applications. No matter the project, we have a product that serves or we'll work to custom-design a solution to fit. And that's not the half of it.

We also stand behind our products. Regardless of the size of your question or the size of your company, we offer tech support, absolutely free.

**Sound interesting? Give us a call.**



**317.570.7020**

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