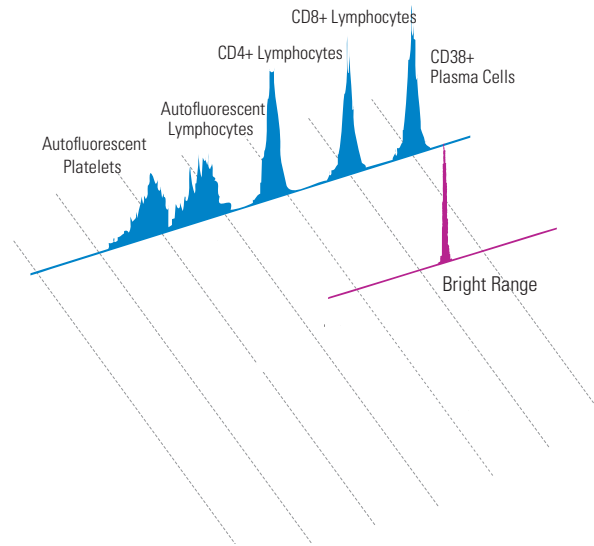


Right Reference Standard™

Right Reference Standard™ provides an internal point of reference for stained cell populations.

Analysis Range

Flow cytometric assays can cover a range of six decades of fluorescence intensity, however, the majority of commercial instruments have an analysis range of four to five decades. The fluorescence intensity of stained cell populations vary with the antigen expression of the cells. For the majority of leukocyte phenotyping, the middle of the analysis range is utilized, however, other populations, such as red blood cells and platelets, fluoresce toward the low end of the analysis range, while still others, such as plasma cells and abnormal lymphoma cells, fluoresce very intensely.



How Do They Work?

The appropriate Right Reference Standard™ is acquired prior to running cell samples, and ensures that the correct unified analysis range is consistently used. The Right Reference Standard™ may even be added to your samples to provide an internal fluorescent point of reference. Simply adjust the PMT setting such that the Right Reference Standard™ of choice falls in the middle of the reporting scale.

Spectral Matching

The Right Reference Standard™ microspheres are surface-labeled with the same fluorochromes that are routinely used to label cells. Because the fluorochromes are on the surface of the bead, they are free to interact with their environment just as the fluorochromes on a stained cell will. The result is a standard that exhibits the same excitation and emission properties as your stained samples, under a variety of different conditions. We call this being “environmentally responsive.” Unlike internally-dyed standards, the Right Reference Standard™ can alert you to adverse conditions in your system, such as contaminants or changes in pH.

Common Fluorochromes

Right Reference Standard™ microspheres are available labeled with FITC, PE, PE-Cy™5, or APC which may be used in cell lines, abnormal markers in leukemia and lymphoma applications.

Alignment

Right Reference Standard™ microspheres have narrow fluorescence coefficients of variation (CVs), and may be used for verifying the alignment of the laser and flow cell. Reference CVs are provided on the Certificates of Analysis.

RIGHT REFERENCE STANDARDS™

Cat. #	Product Description
512	Right Reference Standard™ - Fluorescein
515	Right Reference Standard™ - Phycoerythrin
518	Right Reference Standard™ - PE-Cy™5
521	Right Reference Standard™ - Allophycocyanin

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Bangs Laboratories manufactures magnetic, 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.

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