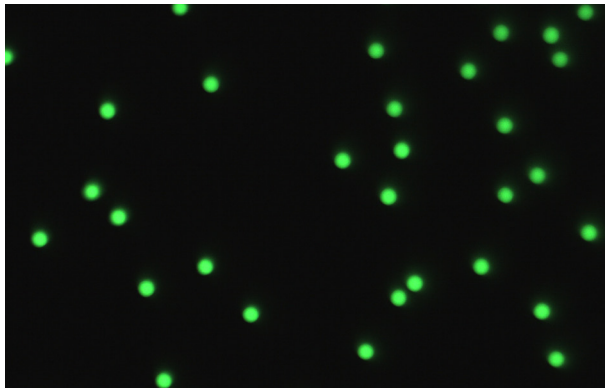


# Fluorescent Intensity Standards

**Dragon Green and Flash Red, Two Fluorescent Intensity Standard Kits for use in biological applications or as part of a comprehensive QC program.**



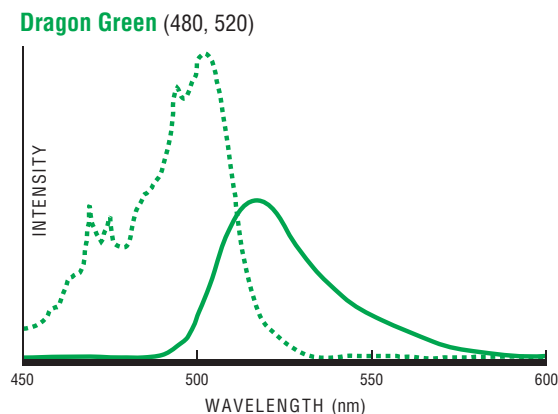
Intensity standards have many applications both in QC programs and in biological analyses. Intensity standards can be utilized as a relative intensity standard with which to compare stained biological samples, or as a linearity standard for flow cytometry applications.

Bangs Laboratories offers two intensity standards for these applications. Both the Dragon Green Intensity Standard and the Flash Red Intensity Standard are kits comprised of five populations of ~8 $\mu$ m polystyrene-based microspheres dyed with increasing amounts of their respective fluorophore.

The different intensity populations may serve as relative intensity standards for applications in fluorescence microscopy, where, as internally-dyed beads, they will stand up to the rigors of imaging. They may also serve as bright relative intensity or linearity standards for flow cytometry; ask about our QuickCal<sup>®</sup> Linearity Template if this is your interest.

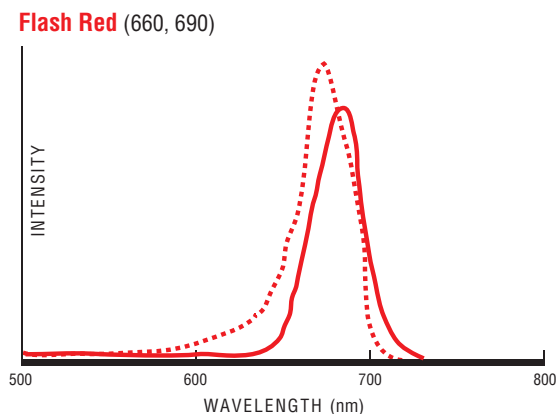
## Dragon Green Intensity Standard

The Dragon Green Intensity Standard is a kit consisting of five populations of ~8 $\mu$ m polystyrene-based microspheres dyed with increasing amounts of Dragon Green fluorophore. Dragon Green is an excellent spectral surrogate for fluorescein and is suitable for use with fluorescein filter sets.



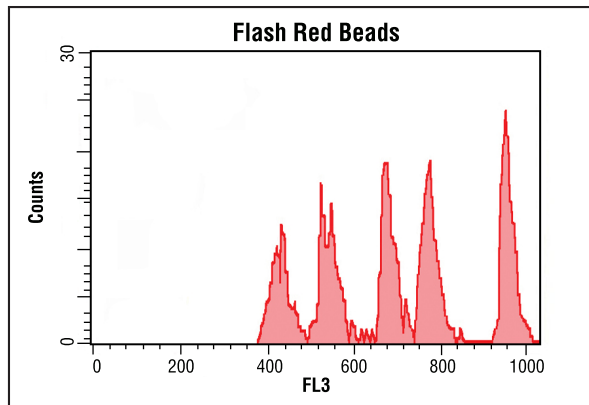
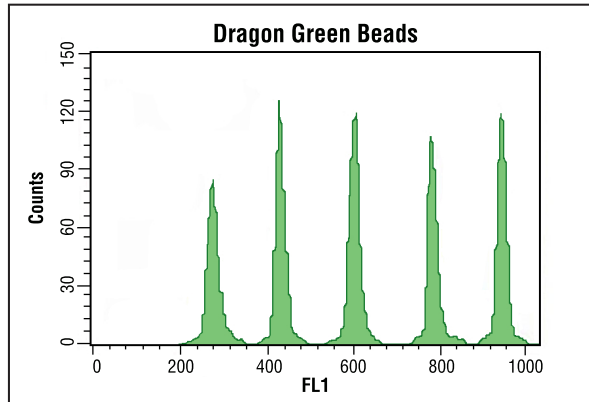
## Flash Red Intensity Standard

The Flash Red Intensity Standard is a kit consisting of five populations of ~8 $\mu$ m polystyrene-based microspheres dyed with increasing amounts of Flash Red fluorophore. As Flash Red is spectrally similar to Cy<sup>™</sup>5, traditional red fluorophore filter sets (e.g. Cy<sup>™</sup>5 for the microscope; PE-Cy<sup>™</sup>5 or APC on the cytometer) may be used with this standard.



## Histograms

Below are histograms for both the Dragon Green and Flash Red Intensity Standard kits.



## QUICKCAL® V. 2.3 DATA ANALYSIS PROGRAM

### What is QuickCal®?

QuickCal® v. 2.3 utilizes pre-programmed spreadsheet templates to generate a standard curve associating the intensity of the stained samples to the bead % fluorescence intensity. It is also used to assess the linearity of fluorescence response.

Call us for a QuickCal® linearity template for applications in flow cytometry.

## FLUORESCENT INTENSITY STANDARDS

Cat. #	Product Description
DG06M	Dragon Green Intensity Standard (5 populations x 1mL each)
FR06M	Flash Red Intensity Standard (5 populations x 1mL each)

QuickCal® is a registered trademark of Bangs Laboratories, Inc.

Cy™, including Cy5 and Cy7, are trademarks 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.




**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.

Sound interesting? 

Visit: [www.bangslabs.com](http://www.bangslabs.com)

 [@particledoc](https://twitter.com/particledoc)

 [info@bangslabs.com](mailto:info@bangslabs.com)

 800.387.0672