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B E A D S ● A B O V E T H E R E S T ™

Description

Full Spectrum Multi-Color Fluorescence Reference Standard is a highly uniform microbead product that fluoresces over the visible spectrum to provide reference positions for initial daily QC or instrument set-up.

As part of a QC program, fluorophore-labeled microspheres offer a convenient means to check general instrument status and monitor stability over time. When beads are run, the channel values for pertinent fluorescence detectors are recorded, and data are monitored to identify outliers and trends. This type of check can alert the user to problems with the optical and fluidic systems (e.g. diminishing laser power or obstruction/leakage) and the effect of environmental factors, such as temperature, humidity, and vibration on instrument performance.

As a tool for instrument set-up, a reference peak may be positioned for each detector to achieve initial instrument settings.

Characteristics

Mean Diameter: 7-9µm
Particle Concentration: 2×10^6 microspheres/mL
Storage Buffer: PBS with 0.1% gelatin, 0.01% Tween® 80, and 0.1% sodium azide

Procedure

A dilution of 1-2 drops to 1mL will provide an adequate number of particles for flow cytometry use.

Notes

Shake vigorously or vortex briefly before use.

Storage and Stability

Store at 2-8°C. Freezing, drying, or centrifuging particles may result in irreversible aggregation. This product is warranted to be stable for 12 months from the date of purchase, provided that it is handled in accordance with the manufacturer's recommendations. The reagent should be stored in its opaque bottle to safeguard against photobleaching.

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.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

Ordering Information

Catalog Code	Description	Sizes
885	Full-Spectrum™ Multi-Color Fluorescence Reference Standard	1mL, 5mL, or 14mL

Order online anytime at www.bangslabs.com.



