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B E A D S ● A B O V E T H E R E S T™

Description

Ultra Rainbow Fluorescent Particles (by Spherotech™) are internally labeled with multiple fluorophores. They exhibit full spectrum fluorescence, including enhanced UV and Far Red fluorescence. The mixture of fluorophores enables Ultra Rainbow particles to be excited at any wavelength from 365 to 650nm. These particles are available in two diameters, ~3.8µm and ~10.2µm.

Characteristics

Mean Diameter: ~3.8µm (3.61-3.99µm) or ~10.2µm (8.1 - 12.0µm); see your Certificate of Analysis for actual size.

Concentration: ~2 x 10⁶ particles/mL

Storage Buffer: Deionized water with 0.02% sodium azide and 0.01% NP-40

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. Inclusion of a small amount of detergent in the diluent will help increase the number of singlets. Diluted particles can be stored in the refrigerator for future use.

Storage and Stability

Store at 2-8°C. Freezing particles may result in irreversible aggregation and loss of binding activity. The product is expected 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.

Safety

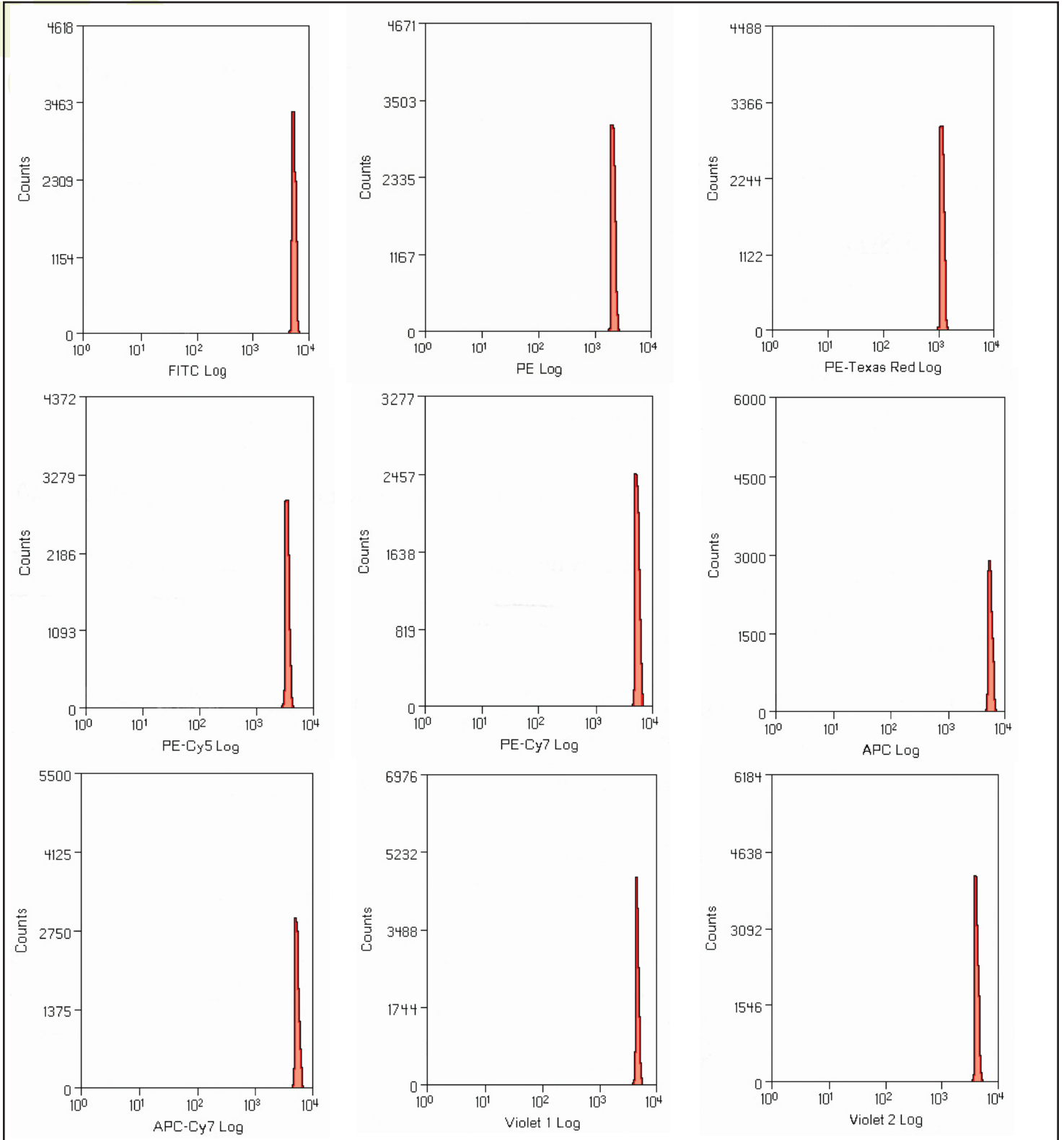
This particle suspension contains sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Material Safety Data Sheet for more information.

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	Size
610	Ultra Rainbow Fluorescent Particles, ~3.8µm	1mL, 5mL, or 14mL
611	Ultra Rainbow Fluorescent Particles, ~10.2µm	1mL, 5mL, or 14mL

Order online anytime at www.bangslabs.com.



Ultra Rainbow Fluorescent Particles, ~10.2µm (Catalog Code 611)
Note: The ~3.8µm particles also exhibit full spectrum excitation and emission.
 Histograms Courtesy of Spherotech™