

Technical Data Sheet

Rainbow Calibration Particles (6 peaks), 3.0 - 3.4 μm

Product Information

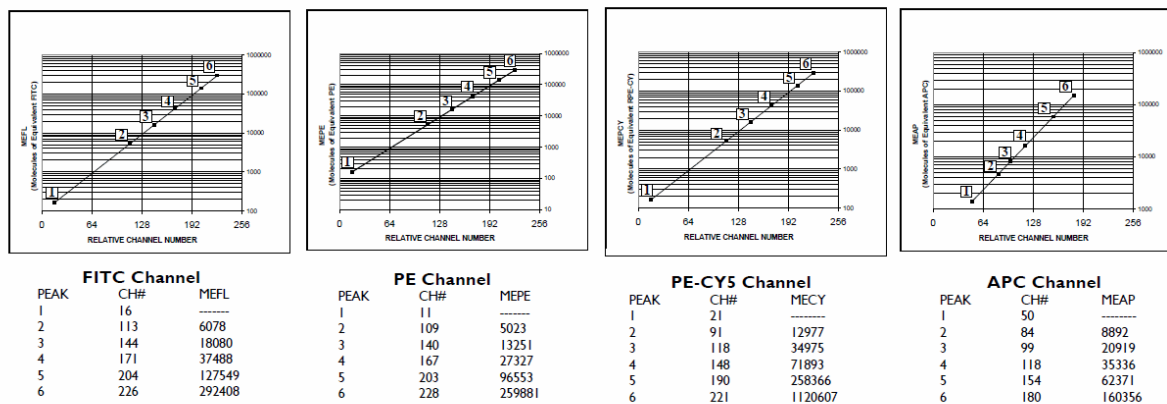
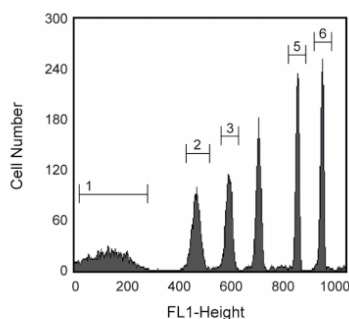
Material Number: 556286
Size: 5.0 ml
Storage Buffer: Aqueous solution containing 0.01%NP40 and ≤ 0.02% sodium azide.

Description

This product contains a mixture of 3.0 - 3.4 μm Rainbow Calibration Particles that are dyed to six different fluorescent intensities. Rainbow Calibration Particles (approx. 1×10^7 particles/mL) are designed for routine calibration of flow cytometers and contain a mixture of fluorophores that are excited at any wavelength from 365 - 650 nm. Rainbow Calibration Particles have emission spectra compatible with many common fluorophores used for immunofluorescent staining with flow cytometric analysis. Before use, mix or resuspend the particles by vortexing. Dilution of 3 - 5 drops of particles to 1 mL of sheath fluid will provide an adequate number of particles for flow cytometric analysis.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.



Rainbow Calibration Particles histogram (top row). Peak separation based on FL1 fluorescence intensity expressed in relative channel numbers. **Rainbow Particle Calibration Graphs (bottom row).** A graphical representation for the relative number of fluorophores per particle for each peak in FL1 (FITC, MEFL), FL2 (RPE, MEPE), FL3 (RPE-Cy5, MEPCY) and FL4 (APC, MEAP). Investigators should note that these calibration graphs are representative and specific lots may vary in performance.

Product Notices

1. Cy is a trademark of Amersham Biosciences Limited.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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