

Technical Data Sheet

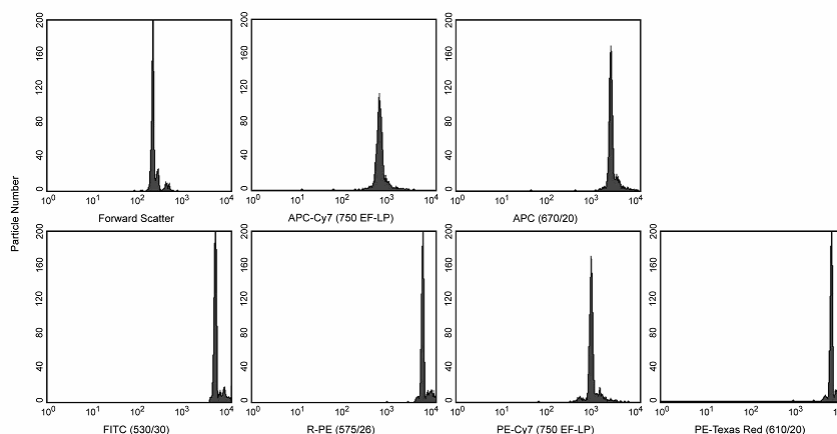
Rainbow Fluorescent Particles, 3.0 - 3.4 μm

Product Information

Material Number: 556291
Size: 5.0 ml
Storage Buffer: Aqueous solution containing 0.01%NP40 and ≤ 0.02% sodium azide.

Description

The vial contains a single population of Rainbow Particles that are dyed to a single fluorescent intensity. The intensity of this particle corresponds to the brightest intensity of peak in the Rainbow Calibration Particles, 3.0-3.4 μm (Cat. No. 556286). Every Rainbow Particle contains a mixture of fluorophores that are excited at any wavelength from 365-650 nm. The Rainbow Particles have emission spectra compatible with many common fluorophores used for immunofluorescent staining with flow cytometric analysis.



Measurement of Rainbow Fluorescent Particle emission analyzed on a BD FACSVantage™ SE flow cytometry system. The panels depict the emission signal intensity of the Rainbow Particles following excitation by 488-nm (bottom row) and 633-nm (top row with forward scatter) wavelength light. The corresponding fluorochromes are indicated in the figure. The filter used for each emission channel is in the corresponding axis legend.

Preparation and Storage

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

Application Notes

Application

Flow cytometry

Routinely Tested

Recommended Assay Procedure:

This particle mixture (~10x10⁶ particles/ml) is useful for routine calibration of flow cytometers. Before use, 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.

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. 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.

BD Biosciences

bdbiosciences.com

United States 877.232.8995 Canada 888.259.0187 Europe 32.53.720.550 Japan 0120.8555.90 Asia Pacific 65.6861.0633 Latin America/Caribbean 55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2008 BD

