

Technical Data Sheet

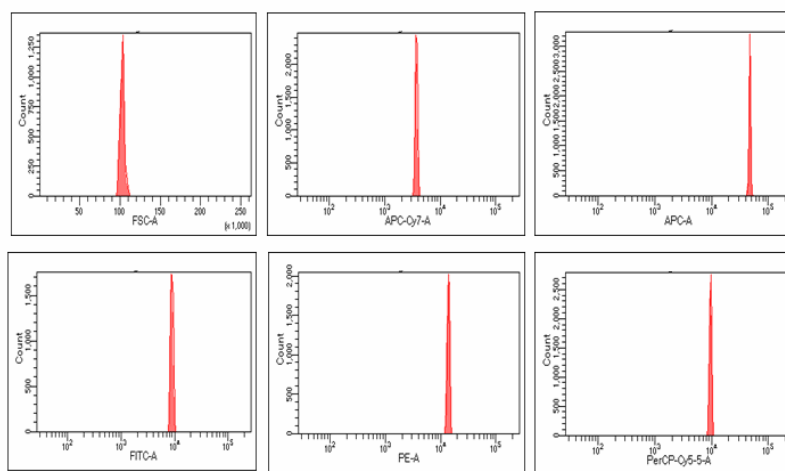
Rainbow Fluorescent Particles, 3.0-3.4 μm (mid-range FL1 fluorescence)

Product Information

Material Number: 556298
Size: 5 mL
Storage Buffer: Aqueous solution containing 0.01%NP40 and ≤ 0.02% sodium azide.

Description

This product contains a single population of Rainbow Particles that are dyed to a single fluorescent intensity. Every Rainbow Particle contains a mixture of fluorophores that are stably embedded within the particle and can be excited at any wavelength from 365-650 nm, allowing most channels in a flow cytometer to be calibrated using the same set of particles. The Rainbow Particles have emission spectra compatible with many common fluorophores used for immunofluorescent staining by flow cytometric analysis. Rainbow Fluorescent Particles are provided in a dropper bottle for convenient dispensing and storage.



Rainbow Particle analysis on a BD LSRFortessa™ X-20 flow cytometer. The panels depict emission signal intensity of the Rainbow Particles for the corresponding fluorochromes. Top row: Forward scatter, APC-Cy7 and APC. Bottom row: FITC, PE and PerCP-Cy5.5.

Preparation and Storage

Store undiluted at 4°C.

Application Notes

Application

Flow cytometry	Tested During Development
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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.

Suggested Companion Products

Catalog Number	Name	Size	Clone
556291	Rainbow Fluorescent Particles, 3.0 - 3.4 μm	5 mL	(none)
559123	Rainbow Calibration Particles (8 peaks), 3.0 - 3.4 μm	5 mL	(none)
556286	Rainbow Calibration Particles (6 peaks), 3.0 - 3.4 μm	5 mL	(none)

Product Notices

- Cy is a trademark of Amersham Biosciences Limited.
- 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.
- Please refer to wwwbdbiosciences.com/pharmingen/protocols for technical protocols.

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