

Technical Data Sheet

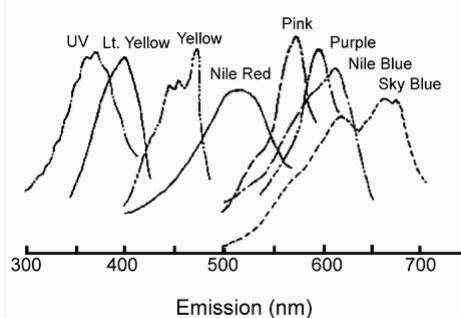
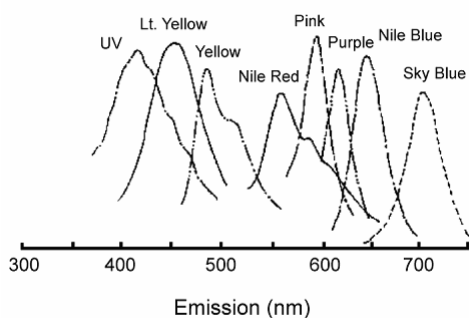
Nile Red Fluorescent Particles, 2.5 - 4.5 µm

Product Information

Material Number: 556269
Size: 2.0 ml
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The vial contains a mixture of 2.5 - 4.5 µm Nile Red Fluorescent Particles that are dyed to have an excitation maximum of approximately 525 nm with a subsequent emission maximum of approximately 560 nm. This particle mixture is useful with flow cytometers equipped with a 488 nm argon laser. This particle mixture has compatible excitation and emission spectra with R-Phycoerythrin and Propidium Iodide.



Excitation and emission spectra of SPHERO fluorescent particles in suspension with the exception with Nile Blue and Sky Blue, which were read from a solution of dye in styrene.

Preparation and Storage

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

Application Notes

Recommended Assay Procedure:

This particle mixture (~1.0% w/v) 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.

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