

## Technical Data Sheet

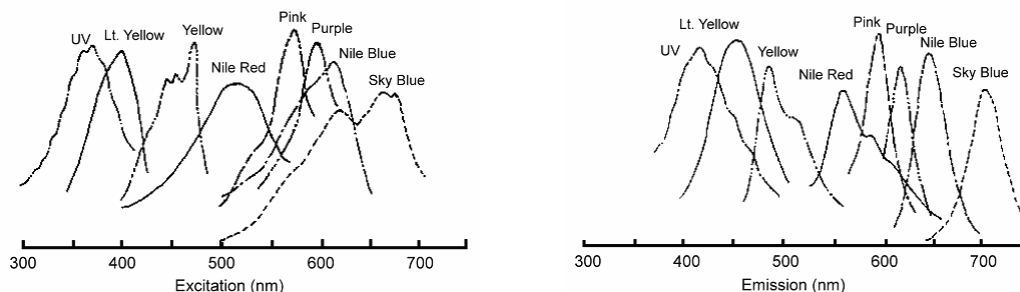
## UV (High Intensity) Fluorescent Particles, 1.7 - 2.2 µm

## Product Information

**Material Number:** 556255  
**Size:** 2.0 ml  
**Storage Buffer:** Aqueous buffered solution containing ≤0.09% sodium azide.

## Description

The vial contains a mixture of 1.7 - 2.2 µm UV Fluorescent Particles that are dyed to have an excitation maximum of approximately 360 nm with a subsequent emission maximum of approximately 415 nm. This particle mixture is useful with flow cytometers equipped with a multi-line UV laser. This particle mixture has compatible excitation and emission spectra with the Hoeschst 33342 and 33258 fluorophores.



*Excitation and emission spectra of SPHERO fluorescent particles in suspension with the exception of 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](http://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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