

## Technical Data Sheet

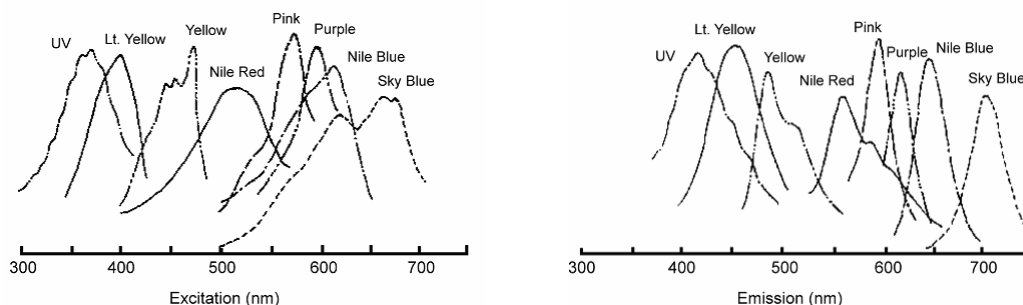
## Nile Blue Fluorescent Particles, 2.5-4.5 µm

## Product Information

**Material Number:** 556270  
**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 Blue Fluorescent Particles that are dyed to have an excitation maximum of approximately 620 nm with a subsequent emission maximum of approximately 650 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 Allophycocyanin and Cy™5.



*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/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
3. Cy is a trademark of Amersham Biosciences Limited.
4. 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](http://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/](http://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

