

For Research Use Only

# Phantom Dye Violet 510 Viability Dye

Catalog Number: PD00005



## Description

Phantom Dye Violet 510 is a fixable viability dye which reacts with protein amine groups in both dead and live cells. Due to the compromised cell membrane in dead cells the dye can bind to many more proteins inside the cell, resulting in much higher fluorescence and easy differentiation of Live/Dead cells. Phantom Dye Violet 510 is a water soluble violet fluorescent dye excited by the Violet laser (405 nm), emitting at 510 nm, making it an excellent addition to your multicolor panel.

## Product Information

**Excitation Laser:** Violet (405 nm)

**Emission (nm):** 510

**Use by:** 6 months from date of receipt

**Solution in anhydrous DMSO:** 1 l/test in DMSO

## Package

100T

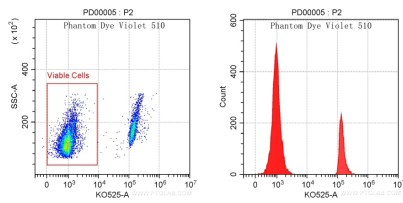
## Storage

-20°C protected from light and moisture.

## Application Notes

Phantom Dye Violet 510 Viability Dye can be used at 1uL/mL of cell suspension. Concentration required for optimal performance should be determined empirically by investigator.

## Validation Data



Mouse thymocytes cells were heat killed at 65°C for 10 minutes and then mixed with live mouse thymocytes cells. Cells were then stained with Phantom Dye Violet 510 Viability Dye. Viable gate is indicated.

**For technical support and original validation data for this product please contact**

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or  
1(312) 455-8498(outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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