

For Research Use Only

# Phantom Dye Red 780 Viability Dye

Catalog Number: PD00002



[www.ptglab.com](http://www.ptglab.com)

## Description

Phantom Dye Red 780 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 Red 780 is a water soluble red fluorescent dye excited by the red laser (633 nm) making it an excellent addition to your multicolor panel.

## Product Information

**Excitation Laser:** Red (633 nm)

**Emission (nm):** 780

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

**Solution in anhydrous DMSO:** 1  $\mu$ l/test in DMSO

## Package

100T

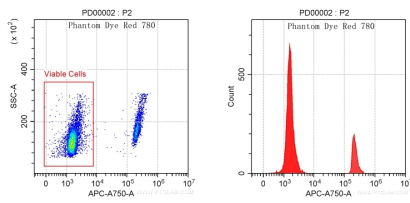
## Storage

-20°C protected from light and moisture. Stable for one year after shipment.

## Application Notes

Phantom Dye Red 780 Viability Dye can be used at 1 $\mu$ L/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 Red 780 Viability Dye. Viable gate is indicated.

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

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