

Product Information Sheet

Ordering Information

Product Number:	11630
Product Name:	PhosLite™ Green
Unit Size:	1 mg
Storage Conditions:	<-15 °C and kept from light and moisture
Expiration Date:	12 months upon receiving

Chemical and Spectral Properties

Molecular Weight:	589.49
Soluble in:	Water
Excitation Wavelength:	345 nm
Emission Wavelength:	520 nm

Application Notes

This water-soluble PhosLite™ Green substrate generates a bright and photostable yellow-green fluorescent precipitate at the site of phosphatase activity. Its fluorescent precipitate has several unique properties (such as an extremely large Stokes shift and high photostability), making this substrate a superior fluorescent version of 5-Bromo-4-chloro-3-indolyl phosphate (BCIP), a chromogenic substrate used for the sensitive colorimetric detection of alkaline phosphatase activity. It can be used in immunoblotting, in situ hybridization, and immunohistochemistry, but does not require the addition of nitro blue tetrazolium chloride (NBT). Alkaline phosphatase is commonly conjugated to secondary antibodies.