

iFluor™555-PEG12-dUTP *1 mM in Tris Buffer (pH 7.5)*Catalog number: 17042
Unit size: 25 nmoles**Product Details**

Storage Conditions	Freeze (<15 °C), Minimize light exposure
Expiration Date	6 months upon receiving

Chemical Properties

Appearance	Liquid
Molecular Weight	2454.14
Soluble In	Water

Spectral Properties

Excitation Wavelength	557 nm
Emission Wavelength	570 nm

Applications

The dye-modified deoxyuridine 5'-triphosphates are one of the most common methods to produce dye-labelled DNA via the conventional enzymatic incorporation methods such as reverse transcription, nick translation, random primed labeling, or PCR. This enzymatic fluorescence labeling method is widely used for both FISH probes and microarray-based experiments. This iFluor™555-PEG12-dUTP conjugate has the same spectral properties to ChromaTide™Alexa Fluor 555-dUTP. Its PEG12 spacer makes it much more effectively incorporated into DNAs by polymerase. It is used as a red fluorescence color with SpectrumOrange™ filter set. It provides a bright signal that has high photostability and is not affected by pH. ChromaTide™ and Alexa Fluor™ are the trademarks of ThermoFisher, and SpectrumOrange™ is the trademark of Vysis.