SEEBRIGHT® Red 598 dUTP

Red 598 dUTP can replace TTP in reactions in which it serves as a substrate for *E. coli* DNA polymerase (holoenzyme and Klenow fragment), T4 and Taq DNA polymerases, reverse transcriptase (from AMV and M-MuLV) and terminal transferase. Fluorescently labelled probes can be prepared with this fluorescent nucleotide by a variety of methods including nick translation, random prime labelling, cDNA labelling and 3'-end labelling. Probes generated by these methods are suitable for use for the identification of specific sequences by *in situ* hybridization procedures on fixed cells and tissues by direct fluorescence detection. Red 598 dUTP can also be used for multicolor fluorescence labelling.

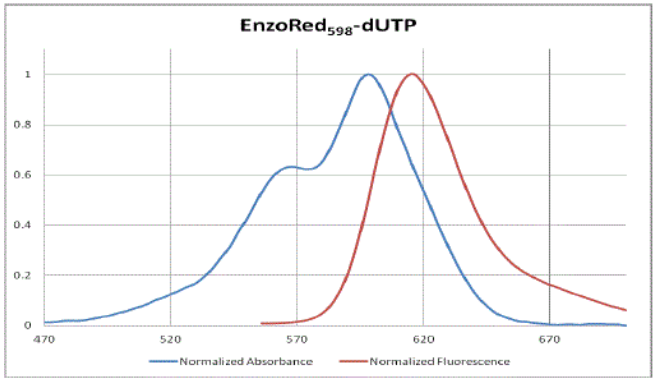
Ordering Information

Order Online »

ENZ-42855	25nmol

Manuals, SDS & CofA

View Online »


EnzoRed598-dUTP
1
0.8
0.6
0.4
0.2
0
470
520
570
620
670
Normalized Absorbance
Normalized Fluorescence
Wavelength (nm)

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light. Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Purple liquid.
Concentration	1mM
Emission Maximum	610nm
Excitation Maximum	598nm
Extinction Coefficient	119,000 M-1 cm-1 (598 nm in TE [10 mM TRIS, pH 8.0, 1 mM EDTA])
Formulation	Liquid. Solution in water.
Purity	≥93% (HPLC)
Quality Control	Red 598 dUTP is purified by Ion-Exchange Chromatography. HPLC is used as a quality control to ensure chemical purity of ≥93%. The UV/VIS absorption maximum is obtained in aqueous Tris buffer to determine concentration.
Technical Info / Product Notes	Several of Enzo's products and product applications are covered by US and foreign patents and patents pending.

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