(6) ROX-12-ddUTP

(6) ROX-12-ddUTP can be used for 3'-end labeling of oligodeoxynucleotides using terminal transferase. It also serves as a substrate for *E. coli* DNA Polymerase I (holoenzyme and Klenow fragment), T4 and T7 DNA polymerases, Taq DNA polymerase and reverse transcriptase. Oligonucleotide probes labeled with (6) ROX-12-ddUTP can be detected by direct fluorescence detection (red fluorescence) or by methods using horseradish peroxidase- or alkaline phosphatase-linked anti-fluorescein antibodies.

Citations: 1 View Online »

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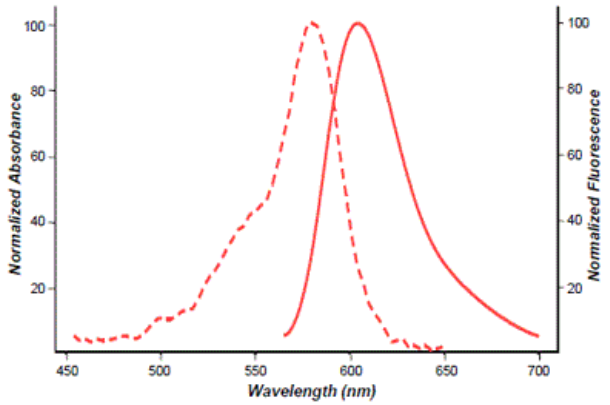
ENZ-42857	25µl

Manuals, SDS & CofA View Online »


Normalized Absorbance
Normalized Fluorescence
100
80
60
40
20
450
500
550
600
650
700
Wavelength (nm)

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least one year after receipt 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

Alternative Name	(6) ROX-12-2',3'- dideoxyuridine-5'-triphosphate
Appearance	Purple liquid
Concentration	0.1mM
Emission Maximum	603 nm
Excitation Maximum	580 nm
Extinction Coefficient	75,000 M-1 cm-1 (580 nm in TE [10 mM TRIS, pH 8.0, 1 mM EDTA]
Formula	$C_{51}H_{59}N_6O_{18}P_3$
Formulation	Liquid. Solution in water.
MW	1136.96 (free acid)
Purity	≥93% (HPLC)
Purity Detail	Purified by ion-exchange chromatography.
Quality Control	HPLC is used as a quality control to ensure chemical purity of ≥93%. The UV/VIS absorption maximum is obtained in aqueous Tris buffer (10mM Tris, pH 8.0, 1mM EDTA) to determine concentration.

Several of Enzo's products and product applications are covered by US and foreign patents and patents pending.

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