(6) ROX-12-ddUTP

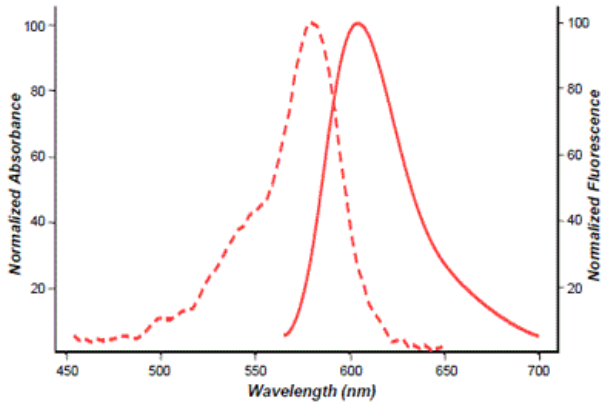
(6) ROX-12-ddUTP can be used for 3'-end labeling of oligodeoxynucleotides using terminal transferase. It also serves as a substrate for *E. coli* DNA Polymerase I (holoenzyme and Klenow fragment), T4 and T7 DNA polymerases, Taq DNA polymerase and reverse transcriptase. Oligonucleotide probes labeled 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.

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ENZ-42857	25µl

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

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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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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