Fluorescein-12-ddUTP

Fluorescein-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 fluorescein-12-ddUTP can be detected by direct fluorescence detection (green fluorescence) or by methods using horseradish peroxidase- or alkaline phosphatase-linked anti-fluorescein antibodies.

Citations: 1 View Online »

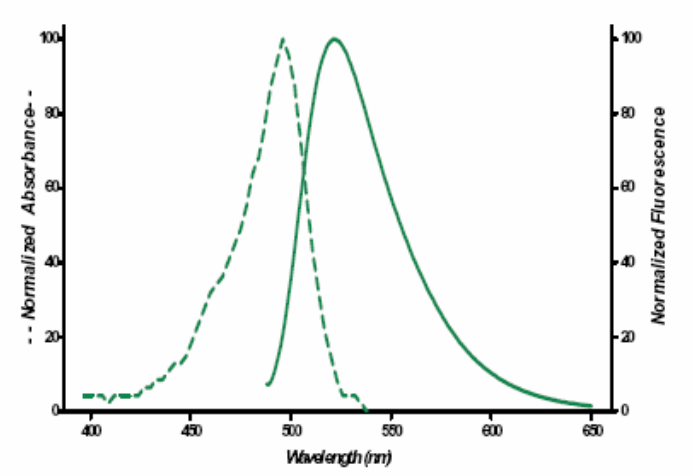
Ordering Information

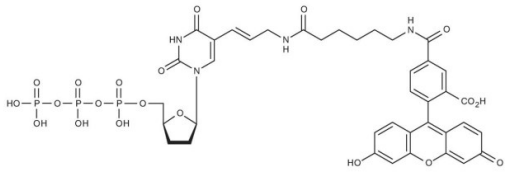
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ENZ-42833	25nmol

Manuals, SDS & CofA

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- - Normalized Absorbance - -
Normalized Fluorescence
Wavelength (nm)
100
80
60
40
20
0
400
450
500
550
600
650



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	Fluorescein-12-2',3'-dideoxyuridine-5'-triphosphate
Appearance	Yellow-green liquid and orange frozen solution.
Concentration	1mM
Emission Maximum	520 nm
Excitation Maximum	496 nm
Extinction Coefficient	85,000 M-1 cm-1 (496 nm in TE [10 mM TRIS, pH 8.0, 1 mM EDTA])
Formula	$C_{39}H_{41}N_4O_{20}P_3$
Formulation	Liquid. Solution in water.
MW	978.7 (free acid)
Purity	≥93% (HPLC)
Purity Detail	Purified by ion-exchange chromatography.
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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