Fluorescein-12-UTP

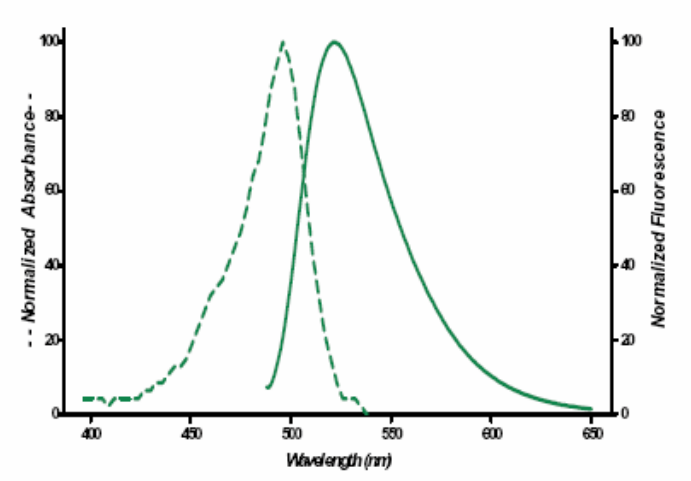
Fluorescein-12-UTP is ideal for *in vitro* transcription reactions catalyzed by T3, T7, or SP6 RNA polymerases and reverse transcriptase to produce fluorophore-labeled RNA transcripts. RNA-based probes can be used to identify complementary sequences by *in situ* hybridization to fixed cells and tissues by direct or indirect fluorescence detection or by membrane hybridization procedures.

Citations: 3 View Online »

Ordering Information Order Online »

ENZ-42834	250nmol

Manuals, SDS & CofA View Online »


- - 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-uridine-5’-triphosphate
Appearance	Yellow-green liquid and orange frozen solution.
Concentration	10mM
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	$C_{39}H_{41}N_4O_{22}P_3$
Formulation	Liquid. Solution in water.
MW	1010.7 (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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