Digoxigenin-dUTP, alkali-stable

Digoxigenin-labeled nucleotide suitable for non-radioactive labeling of DNA probes

Digoxigenin-dUTP replaces dTTP 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. Digoxigenin-dUTP can be used to produce digoxigenin-labeled DNA probes in a variety of labeling reactions including nick translation, random prime labeling, cDNA labeling and 3'-end labeling. The resulting digoxigenin-labeled probe can be used in a variety of hybridization applications incuding Southern blots, Northern blots, or dot blots. The probes can also be used for *in situ* hybridization procedures on fixed cells and tissues. Digoxigenin-labeled probes have been shown to hybridize to homologous nucleic acid at the same rate and to the same extent as non-labeled probes. The hybridized digoxigenin-labeled DNA probes can be detected by their interaction with antibodies coupled to fluorescent dyes or color-producing enzymes.

This labeled dUTP can be used with the Nick Translation DNA Labeling System 2.0 (Prod. No. ENZ-GEN111).

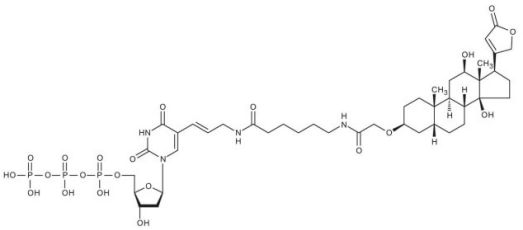
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ENZ-NUC113-0025	25nmol

Manuals, SDS & CofA View Online »


Digoxigenin-dUTP, alkali-stable
Cat. No. ENZ-NUC113-0025
25 nmol; 1mM
Lot 35MAA16A2
Store at -20°C.
Stable for 1 year from date of receipt.
Enzo
For Research Use Only



Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Digoxigenin-11-dUTP
Appearance	Clear, colorless liquid.
Concentration	1mM
Extinction Coefficient	22,600 M-1cm-1 (220nm, pH 7)
Formula	$C_{43}H_{65}N_4O_{21}P_3$
Formulation	Liquid. Solution in water.
MW	1066.92 (free acid)
Purity	≥93% (HPLC)
Quantity	Sufficient for approximately 25 reactions, following the recommended protocol of Prod. No. ENZ-GEN111.

Last modified: May 29, 2024

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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