Digoxigenin-UTP, alkali-stable

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

Digoxigenin-UTP can replace UTP in reactions catalyzed by T3, T7 or SP6 RNA polymerases. The digoxigenin-labeled RNA transcripts produced by these reactions are suitable for a wide range of applications such as nucleic acid hybridization, sequencing, and genome analysis. The transcription reaction produces multiple RNA copies of the DNA template(s) during a short incubation period. RNA probes offer higher target specificity and greater sensitivity than the corresponding DNA-DNA hybrids. The single-stranded RNA probes offer selectivity unavailable with double-stranded DNA probes, because they are strand-specific. Furthermore, RNA probes hybridize much more efficiently to target molecules than DNA probes because there is no self-hybridization. The hybridized digoxigenin-labeled DNA probes can be detected by their interaction with antibodies coupled to fluorescent dyes or color-producing enzymes.

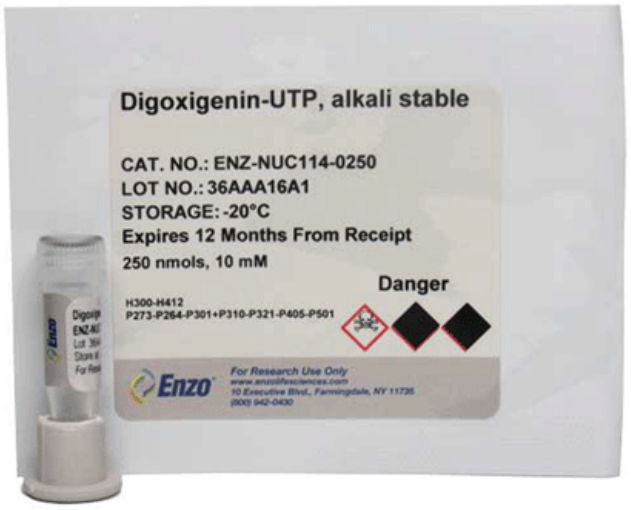
Ordering Information

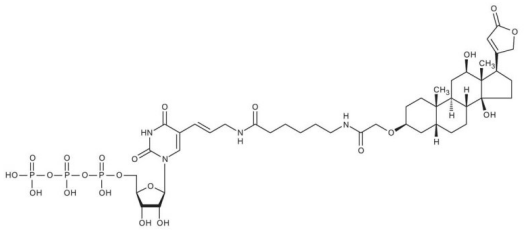
Order Online »

ENZ-NUC114-0250	250nmol

Manuals, SDS & CofA

View Online »


Digoxigenin-UTP, alkali stable
CAT. NO.: ENZ-NUC114-0250
LOT NO.: 36AAA16A1
STORAGE: -20°C
Expires 12 Months From Receipt
250 nmols, 10 mM
Danger
H300-H412
P273-P264-P301+P310-P321-P405-P501
Enzo
For Research Use Only
www.enzolifesciences.com
10 Executive Blvd., Farmingdale, NY 11735
(800) 942-0430



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-UTP
Appearance	Clear, colorless liquid.
Concentration	10mM
Extinction Coefficient	22,600 M-1cm-1 (220nm, pH 7)
Formula	$C_{43}H_{65}N_4O_{22}P_3$
Formulation	Liquid. Solution in water.
MW	1082.92 (free acid)
Purity	≥93% (HPLC)
Quantity	25µl

Last modified: May 29, 2024

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