

dNTPs for cDNA Synthesis

Store at -20°C .
Do not store in a frost-free freezer.

Catalog #:	AM8200
Amount:	75 μL dATP 75 μL dCTP 75 μL dGTP 75 μL dTTP
Concentration:	10 mM each
Storage Conditions:	Store at -20°C . Do not store in a frost-free freezer. Product may be stored long-term at -70°C or below.

USER INFORMATION

Product Description: Ambion[®] dNTPs are ideal for reverse transcription (first-strand cDNA synthesis) and PCR. These are the same high quality 10 mM dNTP solutions provided in the RETROscript[®] Kit (Cat #AM1710). Since the dNTPs are provided individually, the concentration of each can be adjusted independently, making them ideal for cDNA or PCR labeling reactions.

QUALITY CONTROL

Nonspecific Endonuclease Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 300 ng supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.
Exonuclease Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 40 ng ³² P-labeled <i>Sau3A</i> fragments of pUC19 and analyzed by PAGE.
RNase Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 25 ng ³² P-labeled RNA and analyzed by PAGE.
Functional Testing:	The dNTPs are tested functionally using the Ambion RETROscript [®] Kit (Cat #AM1710).

OTHER INFORMATION

Material Safety Data Sheets: Material Safety Data Sheets (MSDSs) can be printed or downloaded from product-specific links on our website at the following address: www.ambion.com/techlib/msds. Alternatively, e-mail your request to MSDS_Inquiry_CCRM@appliedbiosystems.com. Specify the catalog or part number(s) of the product(s), and we will e-mail the associated MSDSs unless you specify a preference for fax delivery. For customers without access to the internet or fax, our technical service department can fulfill MSDS requests placed by telephone or postal mail. (Requests for postal delivery require 1–2 weeks for processing.)

Warranty and Liability: *For research use only. Not for use in diagnostic procedures.*

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