dNTP Mix, 10mM (Sodium)
Product Handling Guide

Shipping:	On Dry or Blue Ice
Catalog number:	MDX067
Batch No.:	See vial
Concentration:	10 mM

Store at –20 °C

meridian BIOSCIENCE™

Storage and stability:
dNTP Mix, 10mM (Sodium) is shipped on dry or blue ice. On arrival store at -20 °C for optimum stability. Repeated freeze/thaw cycles should be avoided. Thawing during transportation does not affect the product performance. For long-term storage, aliquoting is recommended.

Expiry:
When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Safety precautions:
Read and understand the SDS (Safety Data Sheets) before handling the reagents. Hardcopies of the SDS will be provided with the first shipment, thereafter they will be available upon request.

Quality control:
Meridian operates under ISO 13485 Quality Management System. dNTP Mix, 10mM (Sodium) and its components are extensively tested for activity, processivity, efficiency, heat activation, sensitivity, absence of nuclease contamination and absence of nucleic acid contamination.

Notes:
For research and/or further manufacturing use only.

Description

A ready-to-use ultra-pure dNTP mix containing dATP, dGTP, dCTP and dTTP, supplied as sodium salts in purified water. The dNTPs are synthesized from premium quality raw materials, using highly specific production systems to eliminate impurities and PCR-specific inhibitors such as modified nucleotides, tetraphosphates and pyrophosphates commonly observed in other commercially available dNTP products (>99% purity determined by quantitative HPLC).

Supplied as sodium salt solution in purified water, dNTP Mix is used in DNA synthesis reactions such as PCR, DNA sequencing and molecular cloning techniques.

Kit components

Table 1

Component
dNTP Mix (10mM total)

dNTP Characteristics

2'-deoxyadenosine-5'-triphosphate
2'-deoxycytosine-5'-triphosphate
2'-deoxyguanosine-5'-triphosphate
2'-deoxythymidine-5'-triphosphate

Table 2

SPECTRAL & HPLC ANALYSIS	PERFORMANCE
Concentration	2.5 mM of each dNTP
Appearance	Clear Colorless Solution
dNTP (HPLC Area)	≥ 99%

Technical Support

For any technical enquiries, please contact our Technical Support team via email at: mbi.tech@meridianlifescience.com

Related Products	Cat. No.
dATP, 100mM (Sodium)	MDX063
dCTP, 100mM (Sodium)	MDX064
dGTP, 100mM (Sodium)	MDX065
dTTP, 100mM (Sodium)	MDX066
dNTP Mix, 40mM (Sodium)	MDX083
dNTP Mix, 100mM (Sodium)	MDX084
Low DNA Taq HS 5 U/µL	MDX009

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