

Product Information

dNTP Mix, 10mM each, 1.0ml

C/No. BIO-5120-1ml
Packaging 1 X 1ml (1000 applications)
Storage -20°C (Frequent use)
 -70°C (Infrequent use)
 Avoid frequent thawing and freezing.

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Description

Mixture contains aqueous solutions of the following at a final concentration of 10mM.

dATP
 dTTP
 dCTP
 dGTP

With reduced number of pipetting steps, dNTPs remains highly pure which ensure successful PCR as the presence of contaminants can result in a decrease in amplification sensitivity and product yield.

Applications

- DNA sequencing
- DNA labeling
- PCR
- Long PCR
- RT-PCR
- cDNA synthesis
- Primer extension

Quality Control

Purity assay of each component

Method	Specification	Result
HPLC	> 99%	Pass
Ribonuclease assay	RNase contaminants not detected	Pass
Labeled Oligonucleotide test	Trace activities of endo-, exo- deoxyribonucleas not detected	Pass

Function assay

Method	Specification	Result
PCR with <i>Taq</i> and <i>Pfu</i> DNA Polymerases	Production of long PCR product (30kb)	Pass
qPCR		Pass

pH Test

Specification	Result
7.0 ± 0.1	Pass