

dNTP Mix, 10mM each

Cat. No.: BIO-5120-25ul
BIO-5120-1ml

Concentration: 0.3U/μl

Supplied with: -

Storage: -20°C (Frequent use)
-70°C (Infrequent use)
Avoid frequent thawing and freezing

Quality Control

Purity assay of each component Mix, 10mM each

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

Functional 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

1.0 DESCRIPTION

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

dATP
dTTP
dCTP
dGTP

With reduced number of pipetting steps, dNTPs remain 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