

dNTP Set, 100mM each

Cat. No.: BIO-5125-40ul
BIO-5125-1ml

Packaging: 1 X dATP 100mM
1 X dTTP 100mM
1 X dCTP 100mM
1 X dGTP 100mM

Supplied with: -

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

Quality Control

Purity assay of each component Mix

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 (30kc)	Pass
qPCR		Pass

pH Test

Specification	Result
7.0 ± 0.1	Pass

1.0 DESCRIPTION

Contains 4 separate tubes of the following aqueous solutions at a concentration of 100mM each.

2'-Deoxyadenosine-5'-triphosphate trisodium salt (dATP)

2'-Deoxythymidine-5'-triphosphate trisodium salt (dTTP)

2'-Deoxycytidine-5'-triphosphate trisodium salt (dCTP)

2'-Deoxyguanosine-5'-triphosphate trisodium salt (dGTP)

Applications

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