

Product Information

dNTP Set, 100mM each, 4 x 0.25ml

C/No. BIO-5125-1ml
Packaging 1 X 0.25ml dATP 100mM
 1 X 0.25ml dTTP 100mM
 1 X 0.25ml dCTP 100mM
 1 X 0.25ml dGTP 100mM
Storage -20°C (Frequent use)
 -70°C (Infrequent use)
 Avoid frequent thawing and freezing.

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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

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