

Catalog No.: **D107L**

Product Name: **dNTP Set**

Size: 4 x 100μmoles (4 x 1000μl)

Concentration: 100mM

Storage: Store at -20°C.

Description: Four tubes with 1000μl each of deoxyribonucleotide solution (dATP / dCTP / dGTP / dTTP) at 100mM in sterile, doubly distilled water. Final sodium concentration is 100mM. Dilute nucleotides in sterile, doubly distilled water.

Quality Control:

1. Nucleotide concentrations are determined by measurements of absorbency.
2. Deoxyribonucleotides are certified free of nucleases and phosphatases.
3. Functional purity is tested in Sanger dideoxy sequencing reactions; fill in of 5'-overhangs, and primer extensions, using Klenow and Taq DNA polymerase.
4. The physical purity of this preparation is determined by HPLC (minimum passing specification is >99% triphosphate).

Kit Components:

100mM 1000μl dATP:
(2'-deoxyadenosine 5'-triphosphate, sodium salt)
C₁₀H₁₂N₅O₁₂P₃Na₄ 579.2 100mM in sterile, deionized water (pH 7.5)

100mM 1000μl dCTP:
(2'-deoxycytidine 5'-triphosphate, sodium salt)
C₉H₁₂N₃O₁₃P₃Na₄ F.W. 555.1 100mM in sterile, deionized water (pH 7.0)

100mM 1000μl dGTP:
(2'-deoxyguanosine 5'-triphosphate, sodium salt)
C₁₀H₁₂N₅O₁₃P₃Na₄ F.W. 595.1 100mM in sterile, deionized water (pH 7.5)

100mM 1000μl dTTP:
(2'-deoxythymidine 5'-triphosphate, sodium salt)
C₁₀H₁₃N₃O₁₄P₃Na₄ F.W. 570.1 100mM in sterile, deionized water (pH 7.0)

Related Products	Catalog No.
• dNTP PreMix	D116
• Tsg DNA Polymerase	D101
• Taq DNA Polymerase	D118
• 100bp DNA Ladder	M107
• 1Kb DNA Ladder II	M108
• DNA SafeStain	C138
• Standard-Agarose	A113

***This product is for
research use only.***