

# dNTP Mix

€ 29,00

dNTP Mix, 10mM each

Molecular biology grade

Code: GS-PR0051 1ml

## Description

dNTP Mix is a mixture of equal concentration (10mM) of dGTP, dTTP, dATP, and dCTP in a buffer (pH 7.5), which purity is above 99%. This mixture is necessary for DNA amplification PCR. The absence of exodeoxyribonucleases and ribonucleases is confirmed by appropriate quality test. The quality stability of dNTP Mix is confirmed through PCR.

## Applications

For direct use in PCR, long PCR, RT-PCR, cDNA synthesis, primer extension, DNA sequencing and DNA labeling.

## Storage

-20°C, Avoid multiple freeze/thaw cycles. Aliquoting is recommended.

Method	Specification	Result
<b>Purity Assay</b>		
HPLC (column C18; detection UV at 271; mobile phase:A=TEAA 0.1M, pH 7.0; B=60% CH <sub>3</sub> CN/A)	>99%	dATP 99.2% dGTP 99.2% dCTP 99.3% dTTP 99.4%
LO test(test for detection of exo-, endo-deoxyribonuclease and phosphatase contaminants)	Not detectable	passed
Ribonuclease assay (test for detection of RNase contaminants using [ <sup>3</sup> H]-RNA as a substrate)	Not detectable	passed
<b>Function Assay</b>		
PCR with <i>Pfu</i> and <i>Taq</i> DNA Polymerases	Production of 1000 bp PCR fragment from 2ng of genomic DNA	passed
<b>pH</b>		
	7.0-7.5	7.5
<b>Concentration</b>		
Spectrometry	Each 10mM	Each 10mM