

dNTP Mix

BioNordika dNTP Mix, 10 mM

PCR-grade premix of 10 mM dATP, dCTP, dGTP and dTTP

Description

dNTP Mix, PCR Grade / 10 mM is an equimolar mixture of 10 mM dATP, dCTP, dGTP and dTTP supplied as ultrapure aqueous solution and suitable for all molecular biology applications including PCR/qPCR, reverse transcription, DNA labeling and DNA sequencing.

Appearance

clear colorless solution

pH (4°C)

8.5 ± 0.1

Purity (HPLC area)

dNTP ≥ 99.0%

dNDT ≤ 0.9%

dNMP ≤ 0.5%

Application for PCR

For standard PCR applications a final concentration of 200 µM each dNTP is recommended.

50 µl PCR assay			
dNTP Mix / 10 mM	0.5 µl	1.0 µl	2.5 µl
final dNTP conc.	100 µM	200 µM	500 µM

For *in vitro* use only

Quality guaranteed for 12 months

Store at -20°C, short term (up to one week) exposure to ambient temperature possible

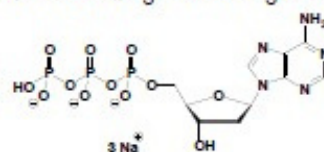
Part number	Product	Size
BN-1006-08	dNTP Mix 10 mM	4 x 200 µl

dATP

2'-Deoxyadenosine 5'-triphosphate, sodium salt

Molecular formula: C₁₀H₁₃N₅O₁₂P₃ (Anion)

Molecular weight: 488.16 g·mol⁻¹

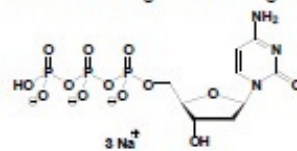


dCTP

2'-Deoxycytidine 5'-triphosphate, sodium salt

Molecular formula: C₉H₁₃N₃O₁₃P₃ (Anion)

Molecular weight: 464.13 g·mol⁻¹

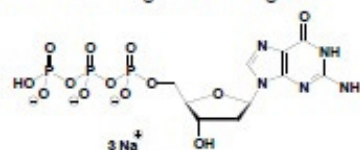


dGTP

2'-Deoxyguanosine 5'-triphosphate, sodium salt

Molecular formula: C₁₀H₁₃N₅O₁₃P₃ (Anion)

Molecular weight: 504.16 g·mol⁻¹



dTTP

2'-Deoxythymidine 5'-triphosphate, sodium salt

Molecular formula: C₁₀H₁₄N₂O₁₄P₃ (Anion)

Molecular weight: 479.14 g·mol⁻¹

