

dNTP-mix (40 mM = 10 mM each dNTP)
Cat-no: 110-002; 1 ml

Applications:

- all molecular biology applications
- PCR/qPCR
- reverse transcription
- DNA labelling
- DNA sequencing

Description:

dNTP-mixes from GeneON have PCR Grade and contain in one tube an optimized mixture of dATP, dCTP, dGTP and dTTP supplied as aqueous solutions at pH 8.5.

Concentration: 10 mM each nucleotide

Components:

<p>dATP 2'-Deoxyadenosine 5'-triphosphate, sodium salt CAS Number: 1927-31-7 Formula: C₁₀H₁₃N₅O₁₂P₃ (Anion) Molecular weight: 488.16 g·mol⁻¹ Concentration: 10 mM</p>	<p>dCTP 2'-Deoxycytidine 5'-triphosphate, sodium salt CAS Number: 102783-51-7 Formula: C₉H₁₃N₃O₁₃P₃ (Anion) Molecular weight: 464.13 g·mol⁻¹ Concentration: 10 mM</p>
<p>dGTP 2'-Deoxyguanosine 5'-triphosphate, sodium salt CAS Number: 93919-41-6 Formula: C₁₀H₁₃N₅O₁₃P₃ (Anion) Molecular weight: 504.16 g·mol⁻¹ Concentration: 10 mM</p>	<p>dTTP 2'-Deoxythymidine 5'-triphosphate, sodium salt CAS Number: 18423-43-3 Molecular formula: C₁₀H₁₄N₂O₁₄P₃ (Anion) Molecular weight: 479.14 g·mol⁻¹ Concentration: 10 mM</p>

Quality control:

- Optical density was measured at λ_{max} in 20 mM K-phosphate (pH 7.0)
- Chromatographic purity of >98.5 %
- Tested by HPLC (Column-Polisil PA)
- Tested for 0.1 – 15 kb PCR

Storage: store at - 20°C

Shipment: with blue ice

Ordering information:

Cat.-no	Description	Amount
110-001	Nucleotide-Mix 40mM (4x10mM each)	1 x 0.2 ml (40 mM)
110-002	Nucleotide-Mix 40mM (4x10mM each)	1 x 1.0 ml (40 mM)

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