

dNTP Mix (4x10 mM = 40 mM)

Applications of dNTP-mix and dNTP sets:

- all molecular biology applications
- PCR/qPCR/real-time PCR
- Reverse transcription
- DNA labeling
- DNA sequencing

Description of dNTP-mix and dNTP set:

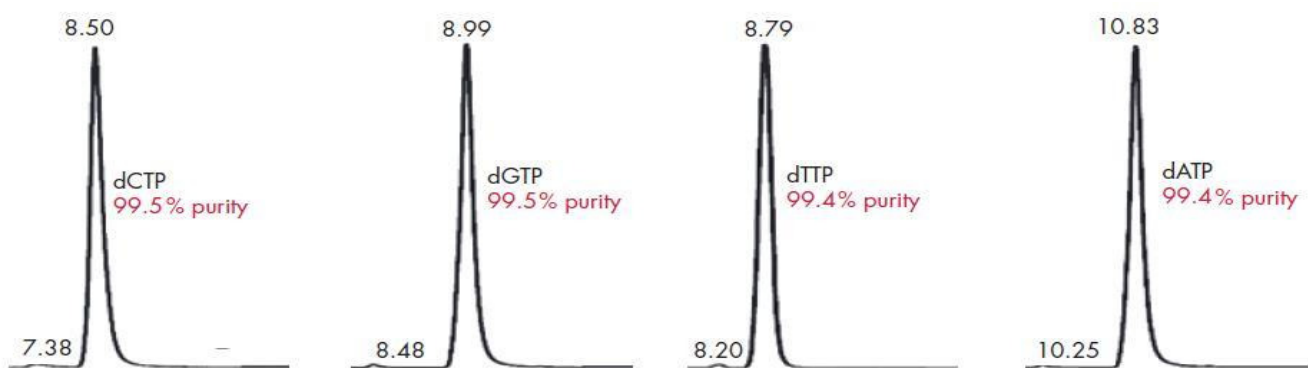
dNTP-sets from GeneON have highest PCR Grade and contains four separate tubes of dATP, dCTP, dGTP and dTTP supplied as aqueous solutions at pH 8.5. The dNTP-mixes contains an optimized mixture of dNTP's with 10 mM of each nucleotide.

Quality control for dNTP mixes and dNTP set:

- free of human or bacterial DNA
- 18 kb PCR amplification with 20 pg of template or less
- RT-PCR: 600 bp fragment with 20 pg template or less
- no DNase, RNase or Nicking activities
- tested for Inorganic species
- produced in Germany at ISO 9001:2000 certificated company

Components of dNTP-mixes and dNTP-sets:

dATP 2'-Deoxyadenosine 5'-triphosphate, sodium salt CAS Number: 1927-31-7 Formula: C ₁₀ H ₁₃ N ₅ O ₁₂ P ₃ (Anion) Molecular weight: 488.16 g·mol ⁻¹ Concentration: 100 mM / 10 mM	dCTP 2'-Deoxycytidine 5'-triphosphate, sodium salt CAS Number: 102783-51-7 Formula: C ₉ H ₁₃ N ₃ O ₁₃ P ₃ (Anion) Molecular weight: 464.13 g·mol ⁻¹ Concentration: 100 mM / 10 mM
dGTP 2'-Deoxyguanosine 5'-triphosphate, sodium salt CAS Number: 93919-41-6 Formula: C ₁₀ H ₁₃ N ₅ O ₁₃ P ₃ (Anion) Molecular weight: 504.16 g·mol ⁻¹ Concentration: 100 mM / 10 mM	dTTP 2'-Deoxythymidine 5'-triphosphate, sodium salt CAS Number: 18423-43-3 Molecular formula: C ₁₀ H ₁₄ N ₂ O ₁₄ P ₃ (Anion) Molecular weight: 479.14 g·mol ⁻¹ Concentration: 100 mM / 10 mM



RP-HPLC purity test
Date: January 2010

GeneON - a good decision

Storage: store at - 20°C up to 24 months, short term storage at room temperature is possible

Shipment: with blue ice

Ordering information:

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

GeneON .. a good decision ..

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