dNTP Set (4x100 mM)

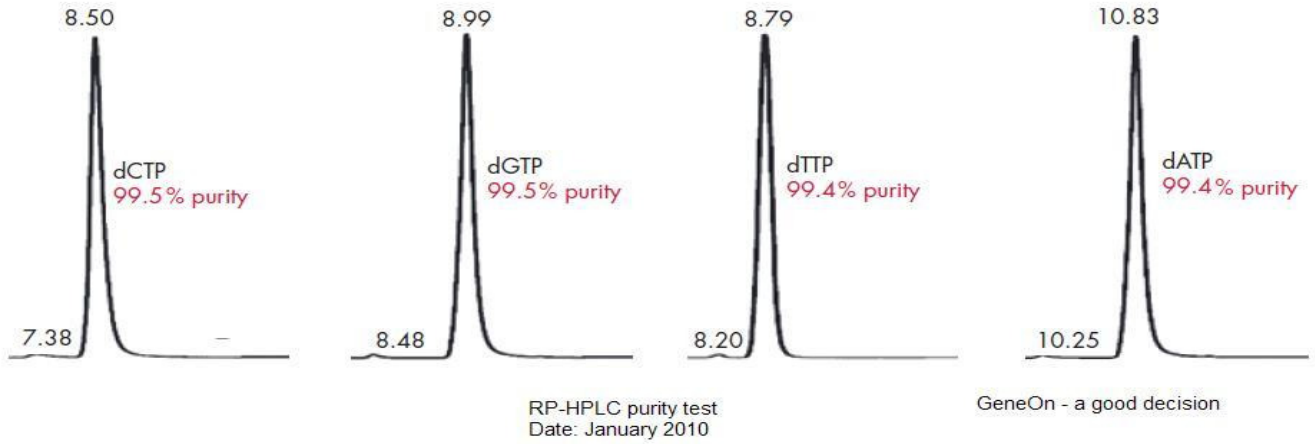
Applications of dNTP-mix and dNTP sets:
- all molecular biology applications
- PCR/qPCR/real-time PCR
- Reverse transcription
- DNA labeling
- DNA sequencing

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 of 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: $C_{10}H_{13}N_5O_{12}P_3$ (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: $C_9H_{13}N_3O_{13}P_3$ (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: $C_{10}H_{13}N_5O_{13}P_3$ (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: $C_{10}H_{14}N_2O_{14}P_3$ (Anion) Molecular weight: 479.14 g·mol^{-1} Concentration: 100 mM / 10 mM



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
110-011	set of 4 dNTP's	4 x 0.2 ml (100 mM each)
110-012	set of 4 dNTP's	4 x 1.0 ml (100 mM each)