



dNTP Set (4x100 mM)

Applications of dNTP sets:

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

Description of dNTP sets:

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-sets contains ultrapure dNTP's with 100 mM of each nucleotide.

Quality control for dNTP set:

- free of human or bacterial DNA
- 18 kb PCR amplification with 50 pg of template or less
- RT-PCR: 749 bp fragment with 10 pg template or less
- no DNase, RNase or Nicking activities
- tested for Inorganic species

Components of dNTP-sets:

dATP 2'-Deoxyadenosine 5'-triphosphate, sodium salt CAS Number: 1927-31-7 Formula: C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃ (Anion) Molecular weight: 491.18 g·mol ⁻¹ Concentration: 100 mM	dCTP 2'-Deoxycytidine 5'-triphosphate, sodium salt CAS Number: 102783-51-7 Formula: C ₉ H ₁₆ N ₃ O ₁₃ P ₃ (Anion) Molecular weight: 467.15 g·mol ⁻¹ Concentration: 100 mM
dGTP 2'-Deoxyguanosine 5'-triphosphate, sodium salt CAS Number: 93919-41-6 Formula: C ₁₀ H ₁₆ N ₅ O ₁₃ P ₃ (Anion) Molecular weight: 507.18 g·mol ⁻¹ Concentration: 100 mM	dTTP 2'-Deoxythymidine 5'-triphosphate, sodium salt CAS Number: 18423-43-3 Molecular formula: C ₁₀ H ₁₇ N ₂ O ₁₄ P ₃ (Anion) Molecular weight: 482.147 g·mol ⁻¹ Concentration: 100 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)
110-012L	Set of 4 dNTP's	5 Sets: 4 x 1.0 ml (100 mM each)
110-012XL	Set of 4 dNTP's	10 Sets: 4 x 1.0 ml (100 mM each)

GeneON .. a good decision ..

Contact Phone +49-(0)-621- 5720 864 Fax: +49-(0)-621-5724 462

E-Mail: <mailto:info@geneon.net> WEB: www.geneon.net Version: 25.10.2009 AS

Unless specified otherwise, all products of GeneON are sold for research use only.



-Datasheet-

