

Productlist

Description	Cat.-no	Amount
Nucleotide-Mix 40mM (4x10mM each)	110-001	0,2ml
Nucleotide-Mix 40mM (4x10mM each)	110-002	1ml
Nucleotide-Set 100mM (4 x 0,2 ml)	110-011	4 x 0,2ml
Nucleotide-Set 100mM (4 x 1 ml)	110-012	4 x 1ml
Biotin-11-dUTP (1mM)	110	100 µl
Biotin-11-dUTP (1mM)	111	5x100 µl
Oligo(dT)₁₅ (1DA)	S140	30 µg
Random Primers	S300	30 µg

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Deoxynucleotides dNTPs

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... a good decision ...

Deoxynucleotides

A deoxyribonucleotide (dNTP) is the monomer, or single unit, of DNA, or deoxyribonucleic acid. Each deoxyribonucleotide comprises three parts: a nitrogenous base, a deoxyribose sugar, and one or more phosphate groups.

There are four different natural dNTP's: dATP with nitrogenous base Adenine, dCTP with nitrogenous base Cytosine, dGTP with nitrogenous base Guanine and dTTP with nitrogenous base Thymine.

Each of four dNTP's are precursors used in cells for DNA synthesis.

GeneON offers sets and mixes from this dNTP's. GeneON's dNTP-sets and mixes will increase your success in PCR. The dNTP-sets contain four separate tubes of dATP, dCTP, dGTP and dTTP supplied as aqueous solutions at pH 8.5 (100 mM each). The dNTP-mixes contain an optimized mixture of dNTP's with 10 mM of each nucleotide.

GeneON provides you

“Best Price Guarantee”.

**Produced in Germany at ISO
9001:2000 certificated company!**

dNTP-Mix / dNTP-Set (purity > 99%)

GeneON's dNTP-sets and mixes are synthetically manufactured using premium starting materials, dissolved and stabilized for long-term storage. GeneON dNTPs are certified free of exonucleases and endonucleases, proteases, phosphatases and RNases. GeneON dNTPs ensure the best quality results even in sophisticated, difficult PCR set ups.

dNTP-Set

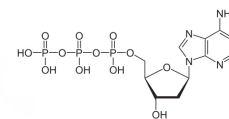
- Complete sets of dATP, dCTP, dGTP and dTTP
- Individually dissolved and separate tubes
- Concentration of 100 mM each

dNTP-Mix

- Ready to use mixes containing dATP, dCTP, dGTP and dTTP
- Final concentration of 40 mM (10 mM of each nucleotide)

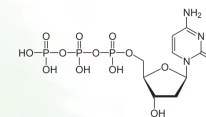
Desoxyadenosine triphosphate (dATP)

2'-Deoxyadenosine 5'-triphosphate, sodium salt
Molecular formula: $C_{10}H_{16}N_5O_{12}P_3$ (Anion)
Molecular weight: $488.16 \text{ g}\cdot\text{mol}^{-1}$



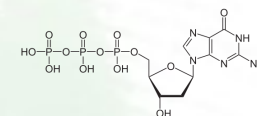
Desoxycytidine triphosphate (dCTP)

2'-Deoxycytidine 5'-triphosphate, sodium salt
Molecular formula: $C_9H_{16}N_3O_{13}P_3$ (Anion)
Molecular weight: $464.13 \text{ g}\cdot\text{mol}^{-1}$



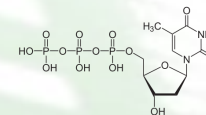
Desoxyguanosine triphosphate (dGTP)

2'-Deoxyguanosine 5'-triphosphate, sodium salt
Molecular formula: $C_{10}H_{16}N_5O_{13}P_3$ (Anion)
Molecular weight: $504.16 \text{ g}\cdot\text{mol}^{-1}$



Desoxythymidine triphosphate (dTTP)

2'-Deoxythymidine 5'-triphosphate, sodium salt
Molecular formula: $C_{10}H_{17}N_2O_{14}P_3$ (Anion)
Molecular weight: $479.14 \text{ g}\cdot\text{mol}^{-1}$



Biotin-11-dNTP

Biotin-11-dUTP (Biotin-11-2'-deoxyuridine-5'-triphosphate, tetralithium salt) is a compound for non-radioactive DNA labeling. The number "11" is the number of carbon atoms in the backbone of linker between dUTP and biotin. The longer the linker is, the more effective interaction of biotin with avidin occurs. The length of spacer "11" is optimal for most of applications.