



## 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:

<b>dATP</b> 2'-Deoxyadenosine 5'-triphosphate, sodium salt CAS Number: 1927-31-7 Formula: C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>12</sub> P <sub>3</sub> (Anion) Molecular weight: 491.18 g·mol <sup>-1</sup> Concentration: 100 mM	<b>dCTP</b> 2'-Deoxycytidine 5'-triphosphate, sodium salt CAS Number: 102783-51-7 Formula: C <sub>9</sub> H <sub>16</sub> N <sub>3</sub> O <sub>13</sub> P <sub>3</sub> (Anion) Molecular weight: 467.15 g·mol <sup>-1</sup> Concentration: 100 mM
<b>dGTP</b> 2'-Deoxyguanosine 5'-triphosphate, sodium salt CAS Number: 93919-41-6 Formula: C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>13</sub> P <sub>3</sub> (Anion) Molecular weight: 507.18 g·mol <sup>-1</sup> Concentration: 100 mM	<b>dTTP</b> 2'-Deoxythymidine 5'-triphosphate, sodium salt CAS Number: 18423-43-3 Molecular formula: C <sub>10</sub> H <sub>17</sub> N <sub>2</sub> O <sub>14</sub> P <sub>3</sub> (Anion) Molecular weight: 482.147 g·mol <sup>-1</sup> 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
110-010	Set of 4 dNTP's	4 x 0.1 ml (100 mM each)
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 ..

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