

**dNTP-mix (40 mM = 10 mM each dNTP)**

**Applications:**

- all molecular biology applications
- PCR/qPCR
- reverse transcription
- DNA labelling
- DNA sequencing

**Description:**

dNTP-mixes from GeneON have PCR Grade and contain in one tube an optimized mixture of dATP, dCTP, dGTP and dTTP supplied as aqueous solutions at pH 8.5.

**Concentration:** 10 mM each nucleotide

**Components:**

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

**Quality control:**

- Chromatographic purity of > 99,1 %, dNDT < 0,9 %, dNMP < 0,5 %
- Tested for 0.1 – 18 kb Lambda DNA and RT-PCR (600 bp) fragment with less than 100 pg
- Contamination Tests, free of:  
Proteases, DNases, RNases, Nicking activity, bacterial or human DNA

**Storage:** store at - 20°C

**Shipment:** with blue ice

**Ordering information:**

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