

## NUCLEOTIDE SETS - dNTP Set (High Concentration)

### dNTP Set (High Concentration)

#### FS-013-1 4 X 250 ul

##### Description

**Ready-to-Use dNTP Solutions** are in Sodium Salt for use in DNA polymerization Reactions all DNA labeling and Sequencing processes

**Purity:** ≥ 99 % (HPLC)

**Form:** clear aqueous solution, pH 7.6 (4 °C)

**Concentration:** 100 mM

**pH:** 7.6

##### Quality Control Specifications:

Pyrophosphatase: 0.0003pmol/pmol nucleotide

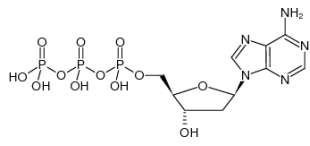
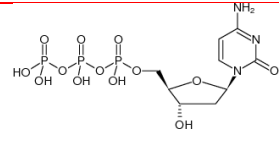
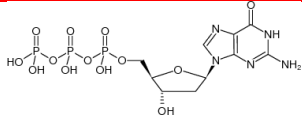
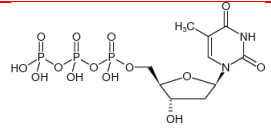
ATP: None detected.

##### Nuclease Contamination Tests:

Nicking Activity: None detected.

DNase Activity: None detected.

RNase Activity: None detected.

<p><b>dATP solution - Sodium Salt - 100 mM</b>            Ultrapure dATP supplied as sodium salt in purified water (pH 7.6).  <b>Molecular Formula:</b> C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub> (free acid)  <b>Molecular Weight:</b> 491.18 g/mol (free acid)  <b>CAS#:</b> 1927-31-7  <b>Spectroscopic Properties:</b> λ<sub>max</sub> 259 nm; ε 15.4 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.0)</p>	
<p><b>dCTP solution - Sodium Salt - 100 mM</b>            Ultrapure dCTP supplied as sodium salt in purified water (pH 7.6).  <b>Molecular Formula:</b> C<sub>9</sub>H<sub>16</sub>N<sub>3</sub>O<sub>13</sub>P<sub>3</sub> (free acid)  <b>Molecular Weight:</b> 467.15 g/mol (free acid)  <b>CAS#:</b> 109909-44-6  <b>Spectroscopic Properties:</b> λ<sub>max</sub> 271 nm; ε 8.9 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)</p>	
<p><b>dGTP solution - Sodium Salt - 100 mM</b>            Ultrapure dGTP supplied as sodium salt in purified water (pH 7.6).  <b>Molecular Formula:</b> C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub> (free acid)  <b>Molecular Weight:</b> 507.18 g/mol (free acid)  <b>CAS#:</b> 2564-35-4  <b>Spectroscopic Properties:</b> λ<sub>max</sub> 252 nm; ε 13.7 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.0)</p>	
<p><b>dTTP solution - Sodium Salt - 100 mM</b>  <b>Description:</b>            Ultrapure dTTP supplied as sodium salt in purified water (pH 7.6).  <b>Molecular Formula:</b> C<sub>10</sub>H<sub>17</sub>N<sub>2</sub>O<sub>14</sub>P<sub>3</sub> (free acid)  <b>Molecular Weight:</b> 482.17 g/mol (free acid)  <b>CAS#:</b> 3624-46-2  <b>Spectroscopic Properties:</b> λ<sub>max</sub> 267 nm; ε 9.6 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.0)</p>	

**Storage Conditions:** store at -20 °C

**Stability:** 24 months

**For Research Use Only**

FISHER MOLECULAR BIOLOGY

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