

## dNTP Set

(dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
02-21-0001S	4 x1 µmol SAMPLE	4 x 100 mM
02-21-00100	4 x 25µmol	4 x 100 mM
02-21-00400	4 x 100µmol	4 x 100 mM

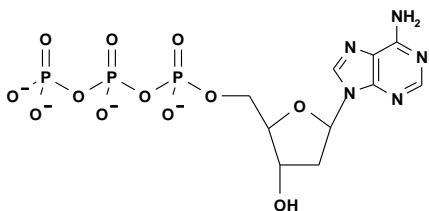
For *in vitro* use only

### Description:

The dNTP Set consists of 100 mM solutions of dATP, dCTP, dGTP and dTTP each in separate vials in TE buffer.

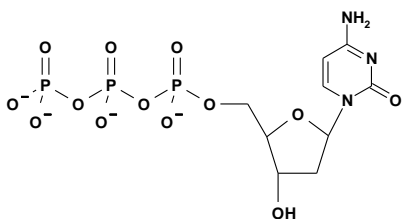
### dATP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub>(Anion)  
Formula Weight: 487.18 (Anion)



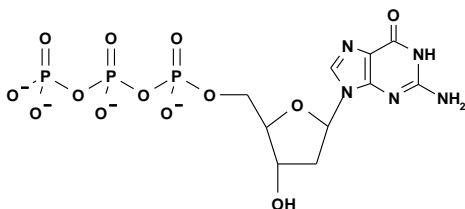
### dCTP

Formula: C<sub>9</sub>H<sub>12</sub>N<sub>3</sub>O<sub>13</sub>P<sub>3</sub>(Anion)  
Formula Weight: 463.15 (Anion)



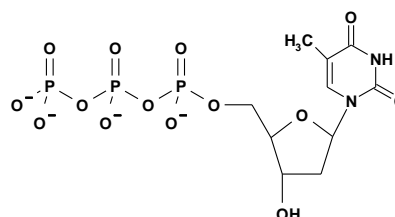
### dGTP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub>(Anion)  
Formula Weight: 503.18 (Anion)



### dTTP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>14</sub>P<sub>3</sub>(Anion)  
Formula Weight: 478.16 (Anion)



### Applications:

- Suited for a wide range of PCR assays
- cDNA synthesis
- Primer extension
- DNA sequencing
- DNA labeling
- Mutagenesis
- DHPLC

### Purity:

Purity Assay (HPLC): >99%

### Shipping and Storage conditions:

Routine storage: -20°C

Shipping and temporary storage for up to 1 month at room temperature has no detrimental effects on the quality of this reagent.

### Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.*

### Related products:

Product name	Pack size	Cat. No.
<b>FIREPo<sup>®</sup> DNA Polymerase</b>	500 U	01-01-00500
<b>HOT FIREPo<sup>®</sup> DNA Polymerase</b>	500 U	01-02-00500
<b>dNTP MIX (20 mM of each)</b>	20 µmol	02-31-00020

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