

# Data sheet

## dNTP Set

Cat. No N0098

4X40 µmol (4X0.4 mL of 100 mM solution)

### Description

dNTP set includes 4 vials, a separate vial of each dNTP (dATP, dCTP, dGTP, dTTP). Each dNTP are in aqueous solution at 100 mM.

### Applications

For use in all molecular biology applications, including PCR, real-time PCR, high fidelity and long PCR, cDNA synthesis, RT-PCR, and DNA sequencing.

The synthesis of a complementary DNA/cDNA strand by enzymatic polymerization of deoxynucleotide triphosphates (dNTPs) is the basic principle of DNA amplification, sequencing and cDNA synthesis techniques.

### TruePurity dNTPs Certification:

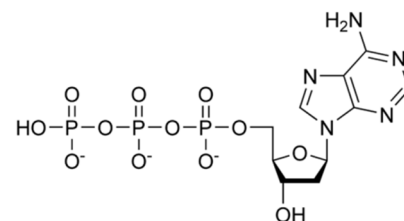
- ✓ Functionally tested in 18 kb long range PCR (template dilution from 20 to 1000 pg).
- ✓ Not contamination with bacterial and human DNA.
- ✓ No detectable activity of DNase, protease or phosphatase.

**Storage:** Store at -20°C, short term (up to one week) exposure to ambient temperature is possible.

### PRODUCT USE LIMITATION

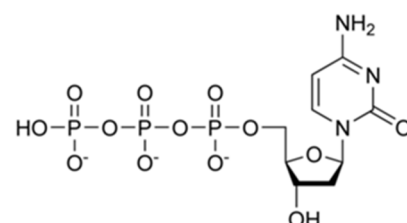
This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to [www.canvaxbiotech.com](http://www.canvaxbiotech.com) for Material Safety Data Sheet of the product.

### dATP



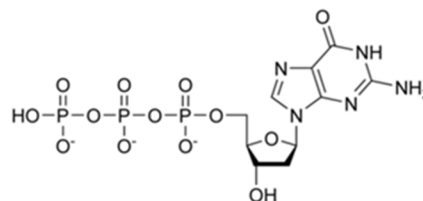
Formula: C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub>  
Molecular weight: 491.18 g·mol<sup>-1</sup>  
Concentration : 100 mM

### dCTP



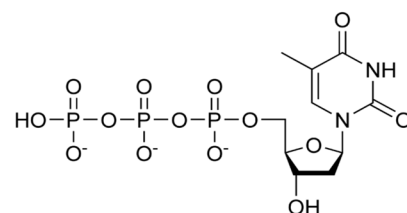
Formula: C<sub>9</sub>H<sub>16</sub>N<sub>3</sub>O<sub>13</sub>P<sub>3</sub>  
Molecular weight: 467.15 g·mol<sup>-1</sup>  
Concentration : 100 mM

### dGTP



Formula: C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub>  
Molecular weight: 507.18 g·mol<sup>-1</sup>  
Concentration : 100 mM

### dTTP



Formula: C<sub>10</sub>H<sub>17</sub>N<sub>2</sub>O<sub>14</sub>P<sub>3</sub>  
Molecular weight: 482.17 g·mol<sup>-1</sup>  
Concentration : 100 mM

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## Notes

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