

# Data Sheet

## dNTP Set

(dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
02-21-0001S	4 x 1 µmol SAMPLE	4 x 100 mM
02-21-00100	4 x 25 µmol	4 x 100 mM
02-21-00400	4 x 100 µmol	4 x 100 mM

For *in vitro* use only

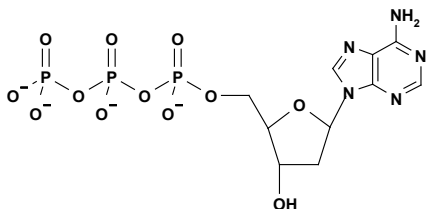
### Description:

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)

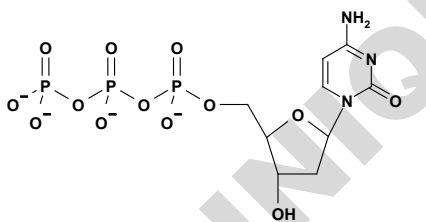
Formula Weight: 487.18 (Anion)



### dCTP

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

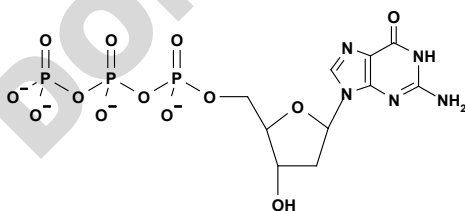
Formula Weight: 463.15 (Anion)



### dGTP

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

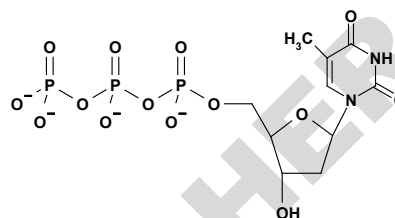
Formula Weight: 503.18 (Anion)



### 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 labeling
- Mutagenesis
- DHPLC

### Purity:

Purity Assay (HPLC): >99%

### Shipping and Storage conditions:

Routine storage: -18°C to -28°C

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

**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

**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. Refer to Safety Data Sheet for more information.

**Technical support:**

Contact your sales representative for any questions or send an email to [support@solisbiodyne.com](mailto:support@solisbiodyne.com)

Online chat is available at [www.solisbiodyne.com](http://www.solisbiodyne.com)

DS-02-21 v2  
Revised 03.12.2021

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