

## dNTP Solution Set

Product Name	Product Code	Kit Packing
dNTP solution set, <b>100 mM each</b> , 0.25 ml	MBT058-4X0.25ML	4x0.25 ml
dNTP solution set, <b>10 mM each</b> , 0.25 ml	MBT079-4X0.25ML	4x0.25 ml

### Description:

dNTP (2'-deoxynucleoside 5'-triphosphates) solutions set, containing dATP, dCTP, dGTP, dTTP are supplied as 100 mM or 10 mM aqueous solution at pH 7.0. dNTPs are available individually, as a convenient set of 100 mM and 10 mM solutions of each dATP, dTTP, dCTP and dGTP for direct use in PCR, reverse transcription, labeling and other applications.

### Features:

- Greater than 99% purity confirmed by HPLC
- Free of Human and *E.coli* DNA
- Highly stable:
  - stable after multiple freeze-thaw cycles
  - 85-90% of dNTPs remain in triphosphate form after 30 cycles of PCR (1 min at 94°C; 3 min at 72°C).

### Applications:

For use in PCR, sequencing, nick translation, fill-in, cDNA synthesis, and TdT tailing reaction, as well as for dilution of radiolabeled dNTPs.

### Storage conditions:

dNTP solution set should be stored at -20°C. When stored under the recommended conditions, the product is stable for 2 years.

### Quality Control:

Functionally tested in PCR

Greater than 99% purity confirmed by HPLC

Free of endo-, exo-deoxyribonuclease, ribonuclease and nicking activities

### Technical Assistance

At HiMedia, we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com)

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CE A-516, Swastik Disha Business Park, Via Vadhani Indl. Est., LBS Marg, Mumbai - 400 086, India Customer Care No.: 022-6147 1919 Email: [techhelp@himedialabs.com](mailto:techhelp@himedialabs.com)



#### Registered Office :

23, Vadhani Industrial Estate, LBS Marg,  
Mumbai - 400 086, India.  
Tel. : (022) 4017 9797 / 2500 1607  
Fax : (022) 2500 2286

#### Commercial Office

A-516, Swastik Disha Business Park,  
Via Vadhani Indl. Est., LBS Marg,  
Mumbai - 400 086, India  
Tel: 00-91-22-6147 1919  
Fax: 6147 1920, 2500 5764  
Email : [info@himedialabs.com](mailto:info@himedialabs.com)  
Web : [www.himedialabs.com](http://www.himedialabs.com)

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