



## dNTP Set (100 mM each)

Catalog Number: D005-1, D005-2

Table 1. Contents and Storage

Product Content	D005-1	D005-2	Storage	Stability
dNTP Set (100 mM each)	4x500 $\mu$ L	4x1 mL	-20 °C, avoid repeated freeze-thaw	The product is stable for one year when stored as directed.

### Product Description

ABP dNTP Set is a convenient set of 100 mM aqueous solutions of each of dATP, dCTP, dGTP and dTTP, supplied in separate vials. The solutions of these extremely stable nucleotides are titrated to pH 7.3-7.5 with NaOH. The nucleotides have greater than 99% purity, are free of nuclease activities, human and E. coli DNA. They are designed for many different molecular biology applications.

### Special Features

- ❖ Free of human and E. coli DNA.
- ❖ Purity: >99%

### Applications

- ❖ PCR, qPCR, RT-PCR.
- ❖ Reverse Transcription and mutagenesis.

### Quality Control:

1. Nucleotide concentrations are determined by measurements of absorbency.
2. Deoxyribonucleotides are certified free of nucleases and phosphatases.
3. Functional purity is tested in Sanger dideoxy sequencing reactions, fill in of 5'-overhangs, and primer extensions, using Klenow and Taq DNA polymerase.
4. The physical purity of this preparation is determined by HPLC (minimum passing specification is >99% triphosphate).