

## dNTP Set

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Catalog	Unit
TBS6105	4 x 250 uL

### Description

dNTP Set has aqueous solutions of dATP, dCTP, dGTP, and dTTP at 100 mM in separate vials, providing flexibility in the preparation of reaction mixes for applications.

### Component

Product Component	Quantity
dNTP Set (dATP, dCTP, dGTP, and dTTP)	4 x 250 $\mu$ l (100 mM each)

Store at -20°C.

### General Characteristics

dNTP	Formula	Molecular Weight	$\lambda_{max}$	$\epsilon$
dATP	$C_{10}H_{13}N_5O_{12}P_3Na_3$	557.2	259 nm	$1.54 \times 10^4 M^{-1}cm^{-1}$ at pH 7.0
dCTP	$C_9H_{13}N_5O_{13}P_3Na_3$	533.1	271 nm	$9.1 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0
dGTP	$C_{10}H_{13}N_5O_{13}P_3Na_3$	573.2	253 nm	$1.37 \times 10^4 M^{-1}cm^{-1}$ at pH 7.0
dTTP	$C_{10}H_{14}N_2O_{14}P_3Na_3$	548.1	267 nm	$9.6 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0

### Usage Notes

- Functionally tested in PCR.
- Purity of each component > 98% by HPLC.
- Endo-, exodeoxyribonuclease and phosphatase free.

**For research use only**