

dNTP Set

(dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
02-21-0000S	4 x 2.5 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

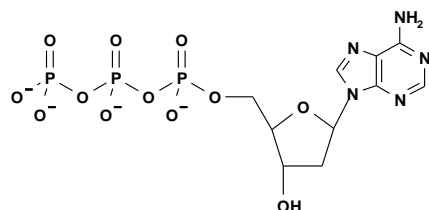
Description:

The dNTP Set consists of 100 mM solutions of dATP, dCTP, dGTP and dTTP each in separate vials in TE buffer.

dATP

Formula: $C_{10}H_{12}N_5O_{12}P_3$ (Anion)

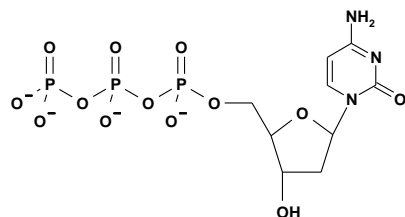
Formula Weight: 487.18 (Anion)



dCTP

Formula: $C_9H_{12}N_3O_{13}P_3$ (Anion)

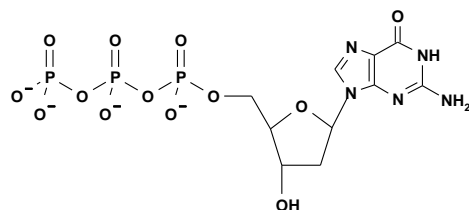
Formula Weight: 463.15 (Anion)



dGTP

Formula: $C_{10}H_{12}N_5O_{13}P_3$ (Anion)

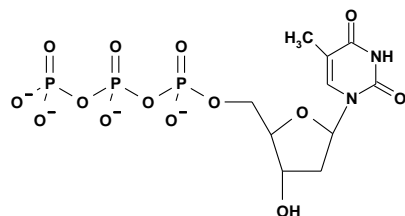
Formula Weight: 503.18 (Anion)



dTTP

Formula: $C_{10}H_{12}N_5O_{13}P_3$ (Anion)

Formula Weight: 478.16 (Anion)



Applications:

- Suited for a wide range of PCR assays
- cDNA synthesis
- Primer extension
- DNA sequencing
- DNA labeling
- Mutagenesis
- DHPLC

Storage solution:

100 mM solution in TE buffer
(100 mM Tris pH 7.8, 1 mM EDTA)

Purity:

Purity Assay (HPLC): >99%

Shipping and Storage conditions:

Routine storage: -20°C

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

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.

Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.

Related products:

Product name	Pack size	Cat. No.
FIREPol[®] DNA Polymerase	500 U	01-01-00500
FIREPol[®] DNA Polymerase	1000 U	01-01-01000
FIREPol[®] DNA Polymerase	2000 U	01-01-02000
HOT FIREPol[®] DNA Polymerase	500 U	01-02-00500
HOT FIREPol[®] DNA Polymerase	1000 U	01-02-01000
5x FIREPol[®] Master Mix (1.5 mM MgCl ₂ final conc.)	250 reactions	04-11-00115
5x FIREPol[®] Master Mix (2.5 mM MgCl ₂ final conc.)	250 reactions	04-11-00125
5x FIREPol[®] Master Mix Ready to Load (1.5 mM MgCl ₂ final conc.)	250 reactions	04-12-00115
5x FIREPol[®] Master Mix Ready to Load (2.5 mM MgCl ₂ final conc.)	250 reactions	04-12-00125
dNTP MIX (20 mM of each)	20 µmol	02-31-00020
dNTP MIX (20 mM of each)	100 µmol	02-31-00100