

### MTE 100mM dNTP Set (dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
MTE0020	4 x 25 µmol	4 x 100 mM
MTE0021	4 x 100 µmol	4 x 100 mM

For *in vitro* use only

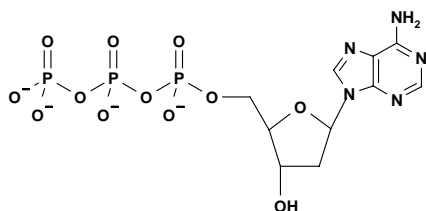
#### Description:

The MTE 100mM dNTP Set consists of 100mM of dATP, dCTP, dGTP & 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)

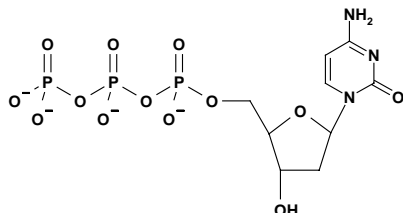
Formula Weight: 487.18 (Anion)



#### dCTP

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

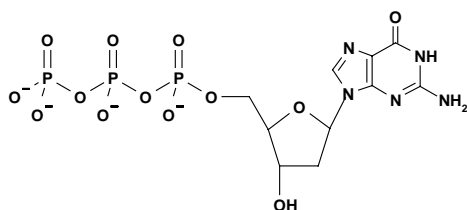
Formula Weight: 463.15 (Anion)



#### dGTP

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

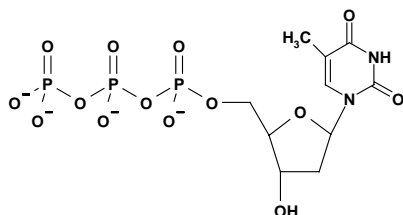
Formula Weight: 503.18 (Anion)



#### dTTP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>O<sub>13</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 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:

Only persons trained in laboratory techniques should handle this product and its components. 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:

Cat. No.	Product	Pack size
MTE0001	AmiPol DNA Polymerase	500 U
MTE0002	AmiPol DNA Polymerase	1000 U
MTE0003	AmiPol DNA Polymerase	2000 U
MTE0006	AmiPol Hot Start DNA Polymerase	500 U
MTE0007	AmiPol Hot Start DNA Polymerase	1000 U
MTE0004	AmiPol 5X Master Mix 12.5 mM MgCl <sub>2</sub>	250 rxns
MTE0370	AmiPol 5X Master Mix 7.5 mM MgCl <sub>2</sub>	250 rxns
MTE0005	AmiPol 5X Master Mix RTL 12.5 mM MgCl <sub>2</sub>	250 rxns
MTE0371	AmiPol 5X Master Mix RTL 7.5 mM MgCl <sub>2</sub>	250 rxns
MTE0017	MTE dNTP Mix (20 mM each)	20 µmol
MTE0018	MTE dNTP Mix (20 mM each)	100 µmol