

MTE dNTP Mix (20 mM of each) (dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
MTE0017	20 µmol	20 mM of each
MTE0018	100 µmol	20 mM of each

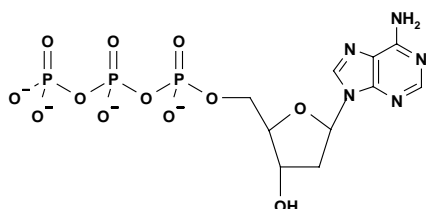
For *in vitro* use only

Description:

This ready-to-use mix consists of dATP, dCTP, dGTP and dTTP (each at a final concentration of 20 mM) in TE buffer, within one vial. The total concentration is 80 mM.

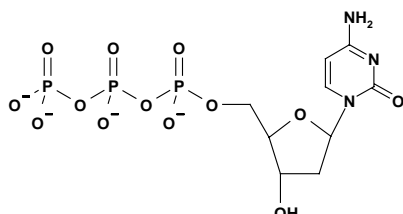
dATP

Formula: C₁₀H₁₂N₅O₁₂P₃ (Anion)
Formula Weight: 487.18 (Anion)



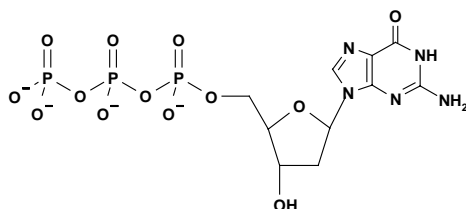
dCTP

Formula: C₉H₁₂N₃O₁₃P₃ (Anion)
Formula Weight: 463.15 (Anion)



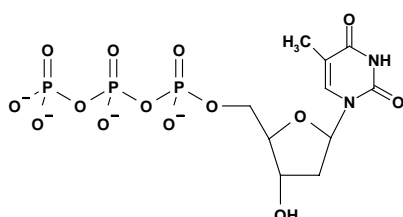
dGTP

Formula: C₁₀H₁₂N₅O₁₃P₃ (Anion)
Formula Weight: 503.18 (Anion)



dTTP

Formula: C₁₀H₁₂N₅O₁₃P₃ (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 ₂	250 rxns
MTE0370	AmiPol 5X Master Mix 7.5 mM MgCl ₂	250 rxns
MTE0005	AmiPol 5X Master Mix RTL 12.5 mM MgCl ₂	250 rxns
MTE0371	AmiPol 5X Master Mix RTL 7.5 mM MgCl ₂	250 rxns
MTE0020	MTE 100 mM dNTP Set	4 x 25 µmol
MTE0021	MTE 100 mM dNTP Set	4 x 100 µmol