



Rebel BioScience

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TUFF TAQ™ dNTP MIX
PROTOCOL AND TECHNICAL DATA SHEET

TUFF TAQ™ dNTP MIX

Reliable Activity Even After 3
Months At Room Temperature



KEY FEATURES:

99% active after 1 month at
room temperature

>80% active after 3 months at
room temperature

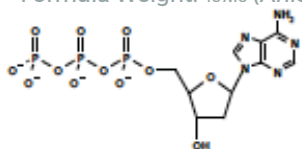
Ships at ambient temperature -
No dry ice

Freeze/thaw up to 50 times

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.

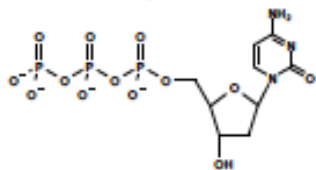
dATP

- Formula: $C_{10}H_{12}N_5O_{12}P_3$ (Anion)
- Formula Weight: 487.18 (Anion)



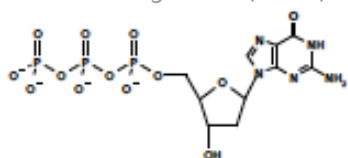
dCTP

- Formula: $C_9H_{12}N_3O_{13}P_3$ (Anion)
- Formula Weight: 463.15 (Anion)



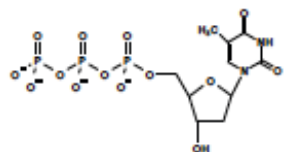
dGTP

- Formula: $C_{10}H_{12}N_5O_{13}P_3$ (Anion)
- Formula Weight: 503.18 (Anion)



dTTP

- Formula: $C_{10}H_{12}N_5O_{12}P_3$ (Anion)
- Formula Weight: 487.18 (Anion)



APPLICATIONS

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

PURITY

Purity Assay (HPLC): >99%

SHIPPING & STORAGE CONDITIONS

Shipping and temporary storage for up to 1 month at room temperature has no significant detrimental performance effects

Routine storage: -20°C

Safety warnings: Products and components should be handled only by persons trained in laboratory techniques. Wear suitable protective clothing such as laboratory overalls, gloves and safety glasses. Avoid contact with eyes and skin and wash immediately with water should contact occur.

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