



Data Sheet (11.08.2016)

dNTP PCR Mix

(30 kb / Real-time PCR tested)

Package sizes:

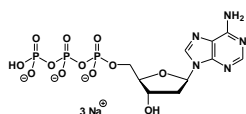
Cat.-No.	Amount	Concentration
mi-N1006S	200 µl	10 mM each
mi-N1006L	1000 µl	10 mM each
containing	dATP	10 mM
	dCTP	10 mM
	dGTP	10 mM
	dTTP	10 mM

Contamination with DNA not detectable

No activity of DNases Protease detectable

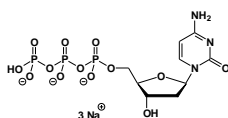
Storage conditions: - 20 ± 5°C

For research use only! Only for in vitro use!



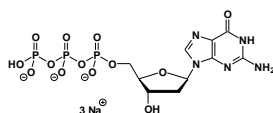
dATP Structure:

Catalogue-No.: mi-N1001
Molecular Formula: C₁₀H₁₃N₅O₁₂P₃ (Anion)
Molecular Weight: 488.16 Da



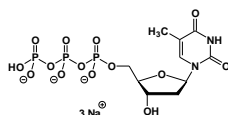
dCTP Structure:

Catalogue-No.: mi-N1002
Molecular Formula: C₉H₁₃N₃O₁₃P₃ (Anion)
Molecular Weight: 464.13 Da



dGTP Structure:

Catalogue-No.: mi-N1003
Molecular Formula: C₁₀H₁₃N₅O₁₃P₃ (Anion)
Molecular Weight: 504.16 Da



dTTP Structure:

Catalogue-No.: mi-N1004
Molecular Formula: C₁₀H₁₄N₂O₁₄P₃ (Anion)
Molecular Weight: 479.14 Da

Selected references:

Sanger *et al.* (1977) DNA sequencing with chain-terminating inhibitors. *Proc. Natl. Acad. Sci. USA* **74**:5463.

Burd *et al.* (1970) Effect of incubation conditions on nucleotide sequence of DNA products of unprimed DNA polymerase reactions. *J. Mol. Biol.* **53**:435.

Newton *et al.* (1997) *PCR Spectrum Akad. Verlag* ISBN 3-8274-0190-9.

Mullis *et al.* (1987) Specific synthesis of DNA in vitro via a polymerase-catalyzed chain reaction. *Methods Enzymol.* **155**:335.