



Data Sheet (21.02.2008)

dNTP PCR Mix

(30 kb / Real-time PCR tested)

Package sizes:

Cat.-No.	Amount	Concentration
mi-N1006M	250 µl	10 mM each
mi-N1006L	1000 µl	10 mM each
containing	dATP	10 mM
	dCTP	10 mM
	dGTP	10 mM
	dTTP	10 mM

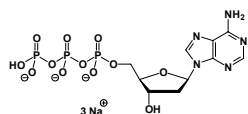
Storage conditions:

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Long term storage at ≤ -20 °C.

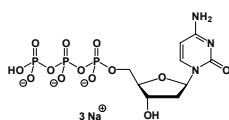
Under these storage conditions, a guarantee of 12 months after delivery is given.

For research use only! Only for in vitro use!



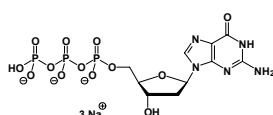
dATP Structure:

Catalogue-No.: mi-N1001
Molecular Formula: C₁₀H₁₃N₅O₁₂P₃ (Anion)
Molecular Weight: 488.16 (Anion)
Purity: > 98 %



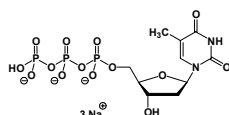
dCTP Structure:

Catalogue-No.: mi-N1002
Molecular Formula: C₉H₁₃N₃O₁₃P₃ (Anion)
Molecular Weight: 464.13 (Anion)
Purity: > 98 %



dGTP Structure:

Catalogue-No.: mi-N1003
Molecular Formula: C₁₀H₁₃N₅O₁₃P₃ (Anion)
Molecular Weight: 504.16 (Anion)
Purity: > 98 %



dTTP Structure:

Catalogue-No.: mi-N1004
Molecular Formula: C₁₀H₁₄N₂O₁₄P₃ (Anion)
Molecular Weight: 479.14 (Anion)
Purity: > 98 %

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.