Data Sheet (17.07.2007)

dNTP Set

Package sizes:

Cat.-No.		Amount	Concentration
mi-N1005S		**4 x 250 µl**	**including:**
mi-N1001S	dATP	25 µmol / 250 µl	100 mM
mi-N1002S	dCTP	25 µmol / 250 µl	100 mM
mi-N1003S	dGTP	25 µmol / 250 µl	100 mM
mi-N1004S	dTTP	25 µmol / 250 µl	100 mM

Cat.-No.		Amount	Concentration
mi-N1005L		**4 x 1000 µl**	**including:**
mi-N1001L	dATP	100 µmol / 1000 µl	100 mM
mi-N1002L	dCTP	100 µmol / 1000 µl	100 mM
mi-N1003L	dGTP	100 µmol / 1000 µl	100 mM
mi-N1004L	dTTP	100 µmol / 1000 µl	100 mM

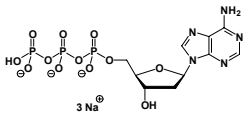
Storage conditions:

Short term exposure (up to 1 week cumulative) to ambient temp. possible. Long term storage at ≤ -20 °C.

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

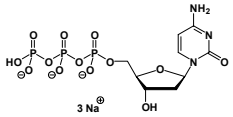
For research use only! Only for* in vitro *use!

dATP Structure:



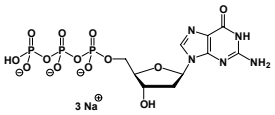
Catalogue-No.: mi-N1001
Molecular Formula: $C_{10}H_{13}N_5O_{12}P_3$ (Anion)
Molecular Weight: 488.16 (Anion)
Purity: > 98 %

dCTP Structure:



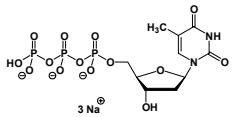
Catalogue-No.: mi-N1002
Molecular Formula: $C_9H_{13}N_3O_{13}P_3$ (Anion)
Molecular Weight: 464.13 (Anion)
Purity: > 98 %

dGTP Structure:



Catalogue-No.: mi-N1003
Molecular Formula: $C_{10}H_{13}N_5O_{13}P_3$ (Anion)
Molecular Weight: 504.16 (Anion)
Purity: > 98 %

dTTP Structure:



Catalogue-No.: mi-N1004
Molecular Formula: $C_{10}H_{14}N_2O_{14}P_3$ (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.

metabion international AG – Lena-Christ-str. 44/I – 82152 Martinsried – Tel: +49 89 899 363 0 – Fax: +49 89 899 363 11
http://www.mymetabion.com - e-mail orders to: mi@mymetabion.com
quality…value…service…www.mymetabion.com