

dNTP Set

#P9061, 250 μ l \times 4
molecular biology grade

Components of the Set

dATP (100mM)	250 μ l
dTTP (100mM)	250 μ l
dCTP (100mM)	250 μ l
dGTP (100mM)	250 μ l

Store at -20°C

For research use only.

In total 4 vials.

Description

The set consists of 100mM aqueous solutions of dATP, dTTP, dCTP and dGTP each supplied in a separate vial. Since the nucleotides are provided separately, the dNTP Set offers maximum flexibility in preparation of reaction mixes for different applications.

Applications

For use in PCR, long PCR, RT-PCR, cDNA synthesis, primer extension, DNA sequencing, and DNA labeling.

General Characteristics

dATP $C_{10}H_{13}N_5O_{12}P_3Na_3$; MW = 557.2;
 $\lambda_{max}=259nm$; $\epsilon=15.2 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0;

dGTP $C_{10}H_{13}N_5O_{13}P_3Na_3$; MW = 573.2;
 $\lambda_{max}=253nm$; $\epsilon=13.7 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0.

dCTP $C_9H_{13}N_3O_{13}P_3Na_3$; MW = 533.1;
 $\lambda_{max}=271nm$; $\epsilon=9.3 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0.

dTTP $C_{10}H_{14}N_2O_{14}P_3Na_3$; MW = 548.1;
 $\lambda_{max}=267nm$; $\epsilon=9.6 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0.

PRODUCT USE LIMITATION.

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.