



dNTP Set, dNTP Mix

Cat. No. G050, G129

Store at -20 °C.

Product Description

dNTP Set has aqueous solutions of dATP, dCTP, dGTP, and dTTP at 100 mM in separate vials, providing flexibility in the preparation of reaction mixes for applications.

dNTP Mix is a ready-to-use aqueous solution mix of dATP, dCTP, dGTP, and dTTP at 10 mM each. The mix reduces the number of pipetting steps minimizing the risk of errors.

Cat. No.	Product Component	Quantity
G050	dNTP Set (dATP, dCTP, dGTP, and dTTP)	4 x 250 µl (100 mM each)
G129	dNTP Mix (dATP, dCTP, dGTP, and dTTP)	1.0 ml (10 mM each)

General Characteristics

dNTP	Formula	Molecular Weight	λ_{max}	ϵ
dATP	$C_{10}H_{13}N_5O_{12}P_3Na_3$	557.2	259 nm	$1.54 \times 10^4 M^{-1}cm^{-1}$ at pH 7.0
dCTP	$C_9H_{13}N_3O_{13}P_3Na_3$	533.1	271 nm	$9.1 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0
dGTP	$C_{10}H_{13}N_5O_{13}P_3Na_3$	573.2	253 nm	$1.37 \times 10^4 M^{-1}cm^{-1}$ at pH 7.0
dTTP	$C_{10}H_{14}N_2O_{14}P_3Na_3$	548.1	267 nm	$9.6 \times 10^3 M^{-1}cm^{-1}$ at pH 7.0

Usage Notes

- Functionally tested in PCR.
- Purity of each component > 98% by HPLC.
- Endo-, exodeoxyribonuclease and phosphatase free.