

Bio dNTP's™

Catalogue Number	Description	Qty
300-111	dNTP Set (100mM)	4 x 250µl

Ultra-pure Bio dNTP's™ are custom manufactured to guarantee batch to batch reproducibility. This commitment to quality is very important in assays where variables have to be minimised. Each set is supplied with a 'Quality Assurance' certificate. The Bio dNTP's™ are provided in a ready-to-use liquid form either as a convenient cocktail or with each dNTP as a separate 25µM solution.

A set of four vials containing 25µmoles of each deoxynucleotide triphosphate, dATP, dCTP, dGTP, dTTP. The dNTP's are in solution and are provided at a concentration of 100mM, pH7.

SPECIFICATION

Solution	Empirical Formula	Molecular Weight
dATP (2' Deoxyadenosine-5'-triphosphate, Sodium)	$C_{10}H_{14}N_5O_{12}P_3Na_2 \cdot 3H_2O$	589.2
dCTP (2'-Deoxycytidine-5'-triphosphate, Sodium)	$C_9H_{12}N_5O_{13}P_3Na_2 \cdot H_2O$	551.1
dGTP (2'-Deoxyguanosine-5'-triphosphate, Sodium)	$C_{10}H_{12}N_5O_{13}P_3Na_3 \cdot H_2O$	591.2
dTTP (2'-Deoxythymidine-5'-triphosphate, Sodium)	$C_{10}H_{14}N_2O_{14}P_3Na_3 \cdot 2H_2O$	583.09

PURITY

🔥 >98% by HPLC

STORAGE

Short/Long Term	Store at -20°C
Short Term	Diluted working solution may be stored at 4°C for up to 4 weeks



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