

dNTP Mixture (PCR mixture)

Mixture of dATP, dGTP, dTTP, dCTP

Cat. No. INT-3229

Research Use Only

- Mixture of 2.5mM each dNTP (2ml)
- Total 10mM (10umol, 2ml)
- dATP, dGTP, dCTP, and dTTP
- Dissolved in ultra -pure water, pH 7.0
- No DNase and RNase detected

DESCRIPTION

Store at -20

- Stable for more than 1 year at -20
- Ready to use without any handlings.
- Same molar ratio of dNTP.

CHARACTERISTICS

- Purity more than 98%
- Substrate for DNA polymerase
- Variable usages such as PCR, probe labeling, cDNA synthesis, etc.
- The recommended amount of dNTP mixture in PCR reaction is a concentration of 50-200 uM.

FORMULATION

- 1) dATP : 2' -deoxyadenosine -5' -triphosphate, trisodium salt, dihydrate
 - $C_{10}H_{14}N_5O_{12}P_3Na_3 \cdot 2H_2O$
 - MW : 589.20
- 2) dGTP : 2' -deoxyguanosine -5' -triphosph., trisodium salt, dihydrate
 - $C_{10}H_{13}N_5O_{13}P_3Na_3 \cdot 2H_2O$
 - MW : 609.00
- 3) dCTP : 2' -deoxycytidine -5' -triphosphate, trisodium salt, dihydrate
 - $C_9H_{13}N_3O_{13}P_3Na_3 \cdot 2H_2O$
 - MW : 569.03
- 4) dTTP : 2' -deoxythymidine -5' -triphosphate, trisodium salt, dihydrate
 - $C_{10}H_{13}N_2O_{14}P_3Na_3 \cdot 2H_2O$
 - MW : 583.12

CERTIFICATE OF ANALYSIS



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