

100 mM dNTP Set

The HibriGen dNTP set contains 100 mM dATP, dCTP, dTTP, dGTP solutions, each prepared in a separate bottle. By providing nucleotides separately, the dNTP Set offers maximum flexibility in preparing reaction mixes for different applications. It maintains its stability in multiple freeze-thaw operations.

4x0.25 ml – Consists of 4 bottles in total.

Volume:

100 mM dATP 0.25 ml

100 mM dCTP 0.25 ml

100 mM dGTP 0.25 ml

100 mM dTTP 0.25 ml

Apps

It can be used directly in PCR, long PCR, RT-PCR, cDNA synthesis, primary extension, DNA sequencing and marking studies.



General features:

dATP : C₁₀H₁₃N₅O₁₂P₃Na₃; MW = 557.2; λ_{max}=259nm; ε=15.2x10³ M⁻¹cm⁻¹ at pH 7.0;

dGTP : C₁₀H₁₃N₅O₁₃P₃Na₃; MW = 573.2; λ_{max}=253nm; ε=13.7x10³ M⁻¹cm⁻¹ at pH 7.0.

dCTP : C₉H₁₃N₃O₁₃P₃Na₃; MW = 533.1; λ_{max}=271nm; ε=9.3x10³ M⁻¹cm⁻¹ at pH 7.0.

dTTP : C₁₀H₁₄N₂O₁₄P₃Na₃; MW = 548.1; λ_{max}=267nm; ε=9.6x10³ M⁻¹cm⁻¹ at pH 7.0.

Catalogue Number

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4x0,25 mL

MG-DNTP-01