

Certificate of Analysis

Product :	2'-Deoxyuridine-5'-Triphosphate, Sodium Salt (dUTP) Sequenase and PCR Qualified
Storage Recommendations:	Always avoid freeze-thaw cycles or exposure to frequent temperature changes. These fluctuations can greatly alter product stability.
Long term (Infrequent use: 1-2 times per month):	-70°C
Daily/Weekly use:	-20°C
Molecular Formula:	$C_9H_{11}N_2O_{14}P_3Na_4$
Molecular Weight:	556.1
Form:	Aqueous solution, 100mM
Purity (HPLC):	>99.8%
λ_{max}:	267nm \pm 2nm
Absorbance Rations (pH 7.0):	A250/A260 0.73 \pm 0.03
	A280/A260 0.38 \pm 0.03
PH:	7.5 \pm 0.1
Quality control:	<ol style="list-style-type: none">1. The concentration is verified by optical density spectrophotometry.2. This preparation is free of DNase and RNase contamination as determined by incubation of the 4 dNTPs with radioactive substrates.3. The purity of this preparation is determined by HPLC. The minimum passing specification for the triphosphate content is 99.8%.4. This lot of dNTPs has been performance tested with Sequenase, <i>Taq</i> DNA polymerase, <i>Pfu</i> DNA polymerase and <i>T7</i> DNA polymerase.



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