



10 mM dNTP Mix

Cat. No.: ST021-1000

Size: 1 ml

Cat. No.: ST021-0050

Size: 50 µl

Store at -20°C

Description

10 mM dNTP (2'-deoxynucleoside 5'-triphosphate) Mix consists of all four nucleotides (dATP, dCTP, dGTP, dTTP), each at a concentration of 10 mM, in a solution of 0.6 mM Tris-HCl (pH 7.5). The 10 mM dNTP Mix is suitable for use in polymerase chain reaction (PCR), sequencing, fill-in, nick translation, cDNA synthesis, and TdT-tailing reactions.

Quality Control

The quality of the 10 mM dNTP Mix is tested on a lot-to-lot basis to ensure consistent product quality.

Volumes and Concentrations

20 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Reactions per Kit	
		ST021-1000	ST021-0050
0.2 mM	0.4 µl	2500	125
0.5 mM	1 µl	1000	50
1.0 mM	2 µl	500	25
1.5 mM	3 µl	333	16

25 µl Final Reaction Volume

Final dNTP Conc	dNTP Volume	Reactions per Kit	
		ST021-1000	ST021-0050
0.2 mM	0.5 µl	2000	100
0.5 mM	1.25 µl	800	40
1.0 mM	2.5 µl	400	20
1.5 mM	3.75 µl	266	13