

HotStart Tth DNA Polymerase (Glycerol-free)

Product Information

Cat#	DIA-459
Description	Antibody-modified Tth DNA Polymerase. Antibody blocks polymerase activity at low temperatures, preventing non-specific amplification. More resistant to blood-derived inhibitors than Taq, with enhanced reverse transcription activity in the presence of Mn^{2+} . Suitable for one-step RT-PCR. Glycerol-free, compatible with lyophilized formulations.
Storage	-20 °C
Contaminants	Free of E. coli DNA residues; free of endo-/exonuclease contamination
Product Overview	Product Components: 250 U: HotStart Tth DNA Polymerase (Glycerol-free, 5U/μL): 50 μL 10x PCR buffer: 500 μL 5x RT-PCR buffer (Mn^{2+} Free): 1 mL $MnCl_2$ (25mM): 300 μL 2500 U: HotStart Tth DNA Polymerase (Glycerol-free, 5U/μL): 500 μL 10x PCR buffer: 5 mL 5x RT-PCR buffer (Mn^{2+} Free): 10 mL $MnCl_2$ (25mM): 1 mL $\times$ 3 Product Features: Dual enzyme activity: combines reverse transcriptase and polymerase for one-step detection Higher RT temperature (60–70 °C): ensures superior reverse transcription specificity Strong resistance to PCR inhibitors
Package	250/2500 U