

HotStart Tth DNA Polymerase

Product Information

Cat#	DIA-458
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. Antibody-modified Tth DNA Polymerase with hot-start function, inhibitor resistance, and enhanced reverse transcription activity for one-step RT-PCR.

Product Overview	Product Components: 250 U: 10x PCR buffer: 500 μ L 5x RT-PCR buffer (Mn^{2+} Free): 1 mL HotStart Tth DNA Polymerase (5 U/ μ L): 50 μ L $MnCl_2$ (25 mM): 300 μ L dNTPs (10 mM): 150 μ L 1250 U: 10x PCR buffer: 2.5 mL 5x RT-PCR buffer (Mn^{2+} Free): 5 mL HotStart Tth DNA Polymerase (5 U/ μ L): 250 μ L $MnCl_2$ (25 mM): 1.5 mL dNTPs (10 mM): 750 μ L 5 KU: HotStart Tth DNA Polymerase (5 U/ μ L): 1 mL Product Features: High efficiency: integrates reverse transcriptase and polymerase activity for one-step detection High specificity: higher RT temperature (60–70 °C): enhances specificity High tolerance: robust resistance to PCR inhibitors
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Package	250 U/1250 U/5 KU
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