

HotStart Taq DNA Polymerase (Glycerol-free)

Product Information

Cat#	DIA-442
Description	Taq polymerase chemically treated to block activity before heating, preventing low-temperature non-specific amplification. Suitable for high-specificity PCR, multiplex PCR, high-GC content (>60%), and complex genomic amplification. Glycerol-free, lyophilization compatible.
Unit Definition	One unit (U) is defined as the amount of enzyme required, after heat activation, to incorporate 10 nmol of dNTPs into acid-insoluble material in 30 minutes at 74 °C.
Storage	-20 °C
Contaminants	Free of E. coli DNA residues; free of endo-/exonuclease contamination
Applications	High-specificity PCR; amplification of complex templates; multiplex PCR; genome amplification assays; qPCR.
Product Overview	Product Components: 250 U: HotStart Taq DNA Polymerase (Glycerol-free, 5 U/μL): 50 μL 5× HS Taq Buffer with Mg ²⁺ : 1 mL × 2 2500 U: HotStart Taq DNA Polymerase (Glycerol-free, 5 U/μL): 500 μL 5× HS Taq Buffer with Mg ²⁺ : 10 mL × 2 500 U: HotStart Taq DNA Polymerase (Glycerol-free, 50U/μl): 10 μL 5× HS Taq Buffer with Mg ²⁺ : 2 mL × 2
Package	250/2500/500 U