

HotStart Taq DNA Polymerase (B) (Glycerol-free)

Product Information

Cat#	DIA-444
Description	Antibody-modified Taq DNA Polymerase with hot-start function. Prevents low-temperature non-specific amplification. Suitable for high-specificity PCR, multiplex PCR, high-GC templates (>60%), and large-scale genomic amplification. Glycerol-free, compatible with lyophilized formulations.
Unit Definition	One unit (U) is defined as the activity that incorporates 10 nmol of total nucleotides into acid-insoluble material in 30 minutes at 74 °C, using activated salmon sperm DNA as template/primer.
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 (B) (Glycerol-free, 5 U/μL): 50 μL 5× HS Taq Buffer with Mg ²⁺ : 1 mL × 2 2500 U: HotStart Taq DNA Polymerase (B) (Glycerol-free, 5 U/μL): 500 μL 5× HS Taq Buffer with Mg ²⁺ : 10 mL × 2 500 U: HotStart Taq DNA Polymerase (B) (Glycerol-free, 50 U/μL): 10 μL 5× HS Taq Buffer with Mg ²⁺ : 2 mL × 2 5000 U: HotStart Taq DNA Polymerase (B) (Glycerol-free, 50 U/μL): 100 μL 15 KU: HotStart Taq DNA Polymerase (B) (Glycerol-free, 30 U/μL): 500 μL
Package	250 U/2500 U/150KU