

HotStart Taq DNA Polymerase (B) (for-Lyo)

Product Information

Cat#	DIA-445
Description	Antibody-modified Taq DNA Polymerase with lyophilization protection. Suitable for high-specificity, multiplex, high-GC, and large-scale genomic amplification. Includes lyophilization stabilizers and excipients for direct freeze-dried sample preparation.
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	Lyophilization-ready (powder or bead format); high-specificity PCR; amplification of complex templates; multiplex PCR; genome amplification assays; qPCR.
Product Overview	Product Components: 250 U: HotStart Taq DNA Polymerase (B) (for-Lyo): 50µL 5× HS Taq Buffer with Mg ²⁺ (for-Lyo): 1mL 2500 U: HotStart Taq DNA Polymerase (B) (for-Lyo): 500 µL 5× HS Taq Buffer with Mg ²⁺ (for-Lyo): 10 mL
Package	250/2500 U