

Taq Pro HotStart DNA Polymerase

Product Information

Cat#	DIA-446
Description	Next-generation hot-start Taq polymerase with enhanced template binding, amplification specificity, and low-copy detection sensitivity. Ideal for DNA templates (e.g., viral DNA) in probe-based quantitative PCR, delivering accurate quantification, broad dynamic range, and excellent reproducibility. Compatible with various template types, GC content, primer T _m , and inhibitors.
Storage	-30 °C to -15 °C
Synonyms	Next-generation hot-start Taq polymerase
Applications	Viral detection; qPCR with high tolerance to blood inhibitors.
Product Overview	Product Components: 250 U: 5x Taq Pro Buffer (dNTP plus, Mg²⁺ plus): 1 mL Taq Pro HS DNA Polymerase (5 U/μL): 50 μL 1000 U: 5x Taq Pro Buffer (dNTP plus, Mg²⁺ plus): 4 x 1 mL Taq Pro HS DNA Polymerase (5 U/μL): 200 μL 5000 U: 5x Taq Pro Buffer (dNTP plus, Mg²⁺ plus): 20 x 1 mL Taq Pro HS DNA Polymerase (5 U/μL): 1 mL Product Features: Broad compatibility: supports primers with different T_m values, simplifying PCR amplification High sensitivity: suitable for low-template detection High reproducibility: strong stability ensures reliable results Strong tolerance: capable of amplifying from blood-extracted samples or crude blood lysates
Package	500/1000/5000 U