

Taq DNA Polymerase (Glycerol-free)

Product Information

Cat#	DIA-439
Source	E. coli
Description	Thermostable DNA polymerase expressed in E. coli from Thermus aquaticus gene and purified multiple times. Adds a 3' "A" overhang on PCR products for direct T-vector cloning. Glycerol-free, suitable for lyophilization.
Unit Definition	One unit (U) is defined as the amount of enzyme required 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	Routine PCR identification; cloning of small DNA fragments; A-tailing of blunt-end PCR products; Sanger sequencing; qPCR.
Product Overview	Product Components: 500 U: Taq DNA Polymerase (Glycerol-free, 5 U/μL): 100 μL 5× Taq Buffer with Mg ²⁺ : 1 mL × 2 5000 U: Taq DNA Polymerase (Glycerol-free, 5 U/μL): 1 mL 5× Taq Buffer with Mg ²⁺ : 10 mL × 2
Package	500/5000 U