

Taq DNA Polymerase Hot-Start with Standard Buffer (+ dNTPs)

Product code	02-004 200 U 02-004-5 200U x 5
Size	200 U
Storage	-20°C
Concentration	1 U/μl
Product	Hot Start PCR enzyme system containing Taq DNA polymerase and anti-Taq DNA
Description	polymerase antibody that neutralizes Taq polymerase until reaction starts at high
	temperature, thus inhibiting non-specific amplification and enhances production of specific
	product as shown in Fig.1. The antibody is active at low and ambient temperatures and
	inactivated at high temperature.
Definition of	One unit is defined as the amount of enzyme that can incorporate 10nmols of total dNTPs
activity	into an acid-insoluble material in 30 minutes at 74° C when activated salmon sperm DNA was
	used as template / primer.
Purity	> 95% as examined by SDS-PAGE. End- and Exo-DNase free
PCR Test	Good PCR amplification has been confirmed with Lambda phage DNA as template.
Components	Taq DNA polymerse Hot-Start Mixture: Taq DNA polymerase (1 unit/µl), 20 mM Tris-HCl (pH
	8.0), 100 mM KCl, 0.1 mM EDTA, 1 mM DTT, 50% glycerol, 0.5% Tween20, 0.5% Igepal CA-
	630, anti Taq antibody (0.8 µg/ml) (02-Atq) (02-Hta 200µl)
	10 x Standard Buffer (Taq): 100 mM Tris-HCl (pH 8.3), 500 mM KCl, 15 mM MgCl ₂ (02-Tsd
	1.0ml)
	2.5 mM (each) dNTPs : (02-Dnth 800 μl)
Application	
	Composition of PCR-reaction solution (total 50μl) Taq DNA polymerase Hot-Start Mixture (02·Hta) 10x Standard Buffer (02·Tsd) 2.5mM (each) dNTPs (02·Dnt) Template Standard Suffer (02·Tsd) 3 μl 2.5mM (each) dNTPs (02·Dnt) Template Standard Suffer (02·Tsd) 3 μl 3 μl Template Standard Suffer (02·Tsd) 3 μl Standard Suffer (02·Tsd) 3 μl Template Standard Suffer (02·Tsd) 3 μl Standard Suffer (02·Tsd) 3 μl Standard Suffer (02·Tsd) 3 μl Template Standard Suffer (02·Tsd) 3 μl Standard Suffer (02·Tsd) 3 μl

PROCEDURES. NOT FOR MILITARY USE.