

HelixAmp™ *Phi29* DNA Polymerase

Kit Contents

HelixAmp™ <i>Phi29</i> DNA Polymerase			
Cat. No.	PHI500 (500units)	PHI2500 (2,500units)	PHI10000 (10,000units)
<i>Phi29</i> (10unit/μl)	0.05ml	0.05ml x 5ea	0.05ml x 20ea
Instructions for Use	1ea	1ea	1ea

Description

HelixAmp™ *Phi29* DNA polymerase is a recombinant protein purified from *E.coli* cloned the gene encoding the DNA polymerase from Phi29 phage. *Phi29* DNA polymerase is the replicative polymerase from the *Bacillus subtilis* phage phi29 and possesses the highest processivity and strand-displacement activity among the known DNA polymerase. *Phi29* DNA polymerase contains a 3'→5' exonuclease activity that enables proofreading capability.

Incubation

30°C

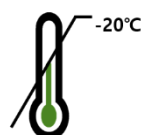
Inactivation

By heating at 65°C for 15 minutes

Storage buffer

50mM Tris-HCl (pH 7.5), 100mM NaCl, 0.1mM EDTA, 1mM DTT, stabilizers, 50% Glycerol

Storage



Store below -20°C

Shelf life



12 months

Concentration

10unit/μl, 0.1ug/μl

Products

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PHI500	HelixAmp™ <i>Phi29</i> DNA Polymerase (10unit/μl)	500units
PHI2500	HelixAmp™ <i>Phi29</i> DNA Polymerase (10unit/μl)	2,500units
PHI10000	HelixAmp™ <i>Phi29</i> DNA Polymerase (10unit/μl)	10,000units