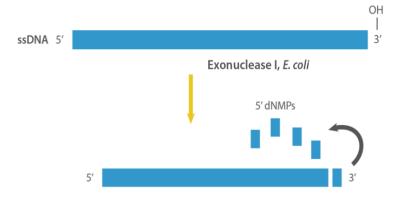
BioVision

For research use only

E. coli Exonuclease I

CATALOG NO.:	M1222-100		
AMOUNT:	2000 U (100 µl)		
CONCENTRATION:	20 U/µl		
FORM:	Liquid. Enzyme supplied with 10X Reaction Buffer		
COMPONENTS:	Product Name E. coli, Exonuclease I (20 U/µI) 10X Exonuclease I Reaction Buffer	Size 100 μΙ	Part. No. M1222-100-1
DESCRIPTION:	10X Exonuclease I Reaction Buffer500 μ IM1222-100-2E. Coli Exonuclease I catalyzes the removal of nucleotides from single-stranded DNA in the 3' \rightarrow 5' direction, releasing deoxyribonucleoside 5'-monophosphates and leaving 5'- terminal dinucleotides intact. Hydrolysis cannot proceed if the 3'- terminus is phosphorylated.		
APPLICATIONS:	 Removal of single-stranded primer oligonucleotides from PCR mixtures for applications involving sequencing or labelling From nucleic acid mixtures: Assaying for the presence of single-stranded DNA with a 3'- hydroxyl terminus 		
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze-thaw cycles of all components to retain maximum performance. All components are stable for one year from the date of shipping when stored and handled properly.		
ENZYME STORAGE BUFFER: 20 mM HEPES (pH 7.1), 150 mM NaCl, 1 mM DTT, 1 mM EDTA, 50% (v/v) Glycerol			
ENZYME UNIT DEFINITION	DN: One unit is defined as the amount of Exonuclease I, <i>E. coli</i> that is required to catalyze the release of 10 nmol of acid soluble nucleotides from heat-denatured DNA in 30 minutes at 37°C in 1X Exonuclease I Reaction Buffer.		
10X EXONUCLEASE I REACTION BUFFER: 670 mM Glycine-KOH, 67 mM MgCl ₂ , 100 mM β -ME, pH 9.5			
REACTION CONDITIONS:	Use 1X Exonuclease I, <i>E. coli</i> Reaction Buffer and incubate at 37°C.		
HEAT INACTIVATION:	80°C for 20 minutes		



RELATED PRODUCTS:

- E. coli DNA Ligase (Cat# M1217-100)
- Link-FAST™ 5 Minutes DNA Ligation Kit (Cat# K902-50)
- New T4 DNA Ligase (Cat# M1247-200)
- T4 DNA Ligase (5 u/µl) (Cat# 9101-250)
- T4 RNA Ligase 1 (ssRNA Ligase) (Cat# M1218-100)
- T4 RNA Ligase 2 (dsRNA Ligase) (Cat# M1219-100)
- T4 RNA Ligase 2 (Truncated) (Cat# M1220-100)

FOR RESEARCH USE ONLY! Not to be used on humans.