

# User Manual

Version 3.0

**Product name:** Klenow Fragment (3'→5' exo-)

**Cat #:** KPIM-100, KPIM-200, KPIM-OEM, B-BLB10

## Description:

Klenow Fragment, 3'→5' exo-, is the Large Fragment of *E.coli* DNA Polymerase I with a molecular weight of 68kDa. It exhibits 5'→3' polymerase activity, but lacks the 3'→5' exonuclease activities. The 3'→5' exonuclease activity of the enzyme is eliminated by mutations in the 3'→5' exonuclease active site.

## Protocol:

Add 5 µl 10x blue buffer  
Add primers to a final concentration of 400 nM  
Add 1 µl DNA polymerase  
Add template  
Add H<sub>2</sub>O to final volume of 50 µl