

# User Manual

Version 4.0

**Product name:** *Taq* DNA Polymerase (regular)

**Cat #:** TR-100, TR-200, TR-OEM, B-TPB10

## Description:

*Taq* DNA Polymerase (regular) is a thermostable enzyme with a highly processive 5'→3' polymerase activity and 5'→3' exonuclease activity. The enzyme is purified from *E.coli* and consists of a single polypeptide with a molecular weight of 94 kDa. *Taq* DNA polymerase synthesizes DNA from single-stranded templates in the presence of dNTPs and a primer.

## Protocol:

Add 5 µl 10x *Taq* PCR buffer

Add primers to final conc of 400 nM

Add 1 µl DNA polymerase

Add template

Add H<sub>2</sub>O to a final volume of 50 µl

Carry out thermal cycling

Cycling parameters will vary depending on the T<sub>m</sub> of the primer and amplicon lengths

Extension speed: 30 seconds / kb