

# TTx DNA Polymerase <Glycerol Free>

Code No. TTX-219

Lot No. \*\*\*\*\*

Size 1,000 units

Source : *Escherichia coli*, recombinant

Concentration : \*\*\* units/ $\mu$ L

Unit Definition : One unit of enzyme is defined as the amount of enzyme that will incorporate 10 nmoles of dNTPs into acid insoluble material in 30 minutes at 75°C.

Storage Buffer : 10 mM Tris-HCl(pH7.5)  
300 mM KCl  
1 mM DTT  
0.1 mM EDTA  
0.1 % Tween™ 20

## Quality Control

Glycerol Content :  $\leq$  0.1%

Nicking Activity : When 12.5 units of this enzyme were incubated with 250 ng of pBR322 for 16 hours at 37 °C, no nicking activity was observed by agarose gel electrophoresis.

DNase Activity : When 5.0 units of this enzyme were incubated with 1  $\mu$ g of  $\lambda$  / *Hind*III for 16 hours at 37 °C, no DNase activity was observed by agarose gel electrophoresis.

RNase Activity : When 100 units of this enzyme were incubated with 250 ng of RNA for 2 hours at 37 °C, no RNase activity was observed by agarose gel electrophoresis.

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