

# TTx DNA Polymerase

Code No.    TTX-119

Lot No.     \*\*\*\*\*

Size         \*\*\*\*\* units

Source                : *Escherichia coli* recombinant

Concentration        :    \*\*\*        units/μL

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  
                               1         %         Tween™20  
                               500       μg/mL    BSA  
                               50        %         Glycerol

## Quality Control

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 μg of λ / *HindIII* 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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