

T4 DNA Polymerase (25 U/μL)

Product Information

Product Name	Cat#	Size
T4 DNA Polymerase (25 U/μL)	14451ES03	1 mL
	14451ES08	5 mL
	14451ES25	25 mL

Product Description

T4 DNA Polymerase catalyzes the synthesis of DNA in the 5'-3' direction and requires the presence of templates and primers, and T4 DNA Polymerase has 3'→5' exonuclease activity, but does not have 5'→3' exonuclease activity.

Product Components

Component number	Components	Cat#/Size		
		14451ES03	14451ES08	14451ES25
14451-A	T4 DNA Polymerase (25 U/μL)	1 mL	5 mL	25 mL

Unit definitions

One unit is defined as the amount of enzyme that will incorporate 10 nmol of dNTP into polynucleotides in 30 minutes at 37°C.

Product application

T4 DNA Polymerase can be used as followed:

- 1.Catalyze the blunt ends of the 5' or 3' protruding ends of DNA.
- 2.Labeled DNA probe synthesis by displacement reaction.
- 3.Synthesis of the second chain during fixed-point mutation.
- 4.Cloning of PCR products that do not depend on ligation reactions.

Shipping and Storage

The product is shipped with dry ice and can be stored at -20°C for two years.

Cautions

- 1.For your safety and health, please wear lab coats and disposable gloves for operation.
- 2.For research use only!