

T4 DNA Polymerase

Product Information

Product Name	Cat#	Size
T4 DNA Polymerase	12901ES60	100 U
	12901ES76	500 U
	12901ES90	2000 U

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		
		12901ES60	12901ES76	12901ES90
12901-A	T4 DNA polymerase (5 U/μL)	20 μL	100 μL	400 μl
12901-B	10 × Blue Buffer	100 μl	250 μl	500 μl

Shipping and Storage

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

Cautions

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

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.

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.