

## Taq DNA Polymerase

Cat. No. COV-006

Lot. No. (See product label)

### Introduction

#### Description

Taq DNA Polymerase is a thermostable DNA polymerase that exhibits a 5'→3' polymerase activity and a 5'→3' exonuclease activity, with no 3'→5' exonuclease activity. Taq DNA Polymerase is purified from an Escherichia coli (E.coli) strain overexpressing the gene of Thermus aquaticus DNA Polymerase. No endonuclease, exonuclease, or bacterial DNA were detected in this kit. The PCR products contain A at the 3'-end and can be directly cloned into T-Vectors.

### Product Information

#### Form

Liquid, supplied with 10× Taq Buffer (Mg<sup>2+</sup> plus) and dNTP Mix (10 mM each)

#### Concentration

5u/ul

#### Unit Definition

One unit (U) is defined as the amount of enzyme that incorporates 10 nmol of dNTPs into acid-insoluble products in 30 minutes at 74 °C, with activated salmon sperm DNA as the template / primer.

### Storage and Shipping Information

#### Storage

Store at -20 °C