

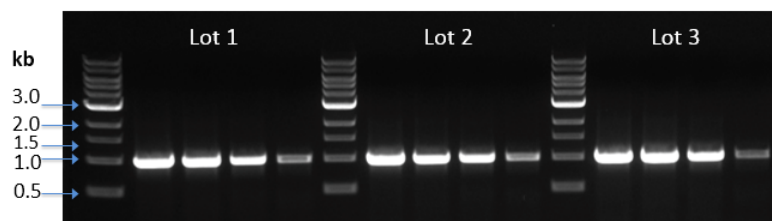
# Taq DNA Polymerase Kit

Enzymes and Reagents

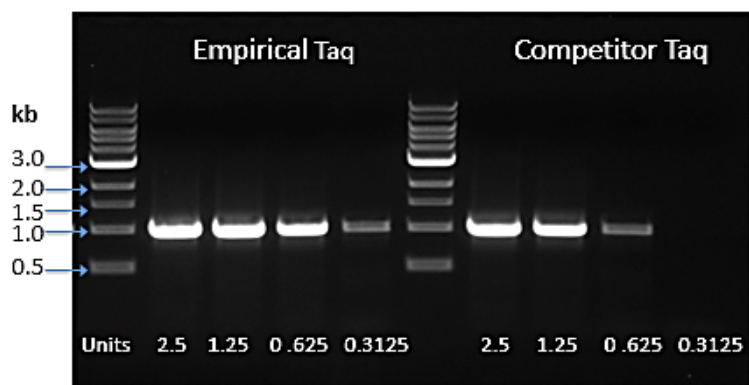
PCR | qPCR | RT | Kits | Oligonucleotides

## Performance

Empirical's Taq DNA Polymerase is a recombinant Taq that has identical characteristics to native Taq from *Thermus aquaticus*. The enzyme consists of a single polypeptide with a molecular weight of approximately 94 kDA, and will create products with dA overhangs at 3' ends.



**Empirical's Taq DNA Polymerase offers consistent activity from lot-to-lot.** Three independent lots were compared using PCR reactions that produce a 1kb amplicon from *E. coli* DNA. Empirical's Taq DNA Polymerase was added at 2.5, 1.25, 0.625 and 0.3125 units per reaction.



**Empirical's Taq DNA Polymerase is more sensitive.** It and a leading competitor's Taq polymerase were used in an endpoint PCR reaction producing a 1kb amplicon from *E. coli* DNA using serially diluted enzyme concentrations.

## Features

- Robust Performance
- High Yielding Polymerase
- Low False Positive Rate
- Lot-to-Lot Consistency

## Available in Bulk and OEM Volumes

Item Number	Units
TP-KIT-200	200
TP-KIT-500	500
TP-KIT-1000	1000

## Lyo Ready Formulation

- Available in Glycerol Free and Lyophilization Ready

## Kit Contains

- TAQ Polymerase
- 10X Reaction Buffer with MgCl<sub>2</sub>
- 10X Reaction Buffer Without MgCl<sub>2</sub>
- 25mM MgCl<sub>2</sub> Solution
- 6X Mean Green Loading Dye

## Related Products

- Deoxynucleotide Solution Mix, 10mM each
- Deoxynucleotide Solution Set, 100mM each
- EasyLoad™ Low-Range DNA Ladder
- EasyLoad™ Mid-Range DNA Ladder
- EasyLoad™ High-Range DNA Ladder
- MeanGreen™ 6X Loading Dye
- MeanGreen™ 5X Buffer



TO ORDER, REQUEST SAMPLES OR FOR MORE INFORMATION, CONTACT:  
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