



82487

TAQ DNA Polymerase (5U/mcl)

Part E

Specifications

| | |
|--------------------------|--|
| Appearance (Form) | Liquid |
| Appearance (Colour) | Colourless |
| Appearance (Clarity) | Clear |
| Concentration | 5U/μl |
| Unit Definition | One unit is defined as the amount of enzyme that will incorporate 15 nmol of dNTP into acid insoluble material in 30 minutes at 75°C |
| Amplification capability | Up to 5kb DNA fragment |
| Absence of nucleases | Confirmed |
| DNA contamination | No Genomic or Plasmid DNA contamination |

Other Information

Description

Taq DNA Polymerase is a thermostable recombinant DNA polymerase derived from thermophilic bacterium *Thermus aquaticus*. Its molecular weight is 94 kDa. Taq DNA Polymerase can amplify DNA target up to 5 kb (simple template). The elongation velocity is 0.9~1.2kb/min (70~75°C). It has 5' to 3' polymerase activity but lacks of 3' to 5' exonuclease activity that results in a 3'-dA overhangs PCR product.

Applications

PCR amplification of DNA fragments as long as 5 kb
DNA labeling.
DNA sequencing.
PCR for cloning.

500 units
• TAQ Polymerase (5U/?l) - 100 ?l
• 10X PCR Buffer (MgCl₂ free) - 1.25ml
• 25mM MgCl₂ - 1.0ml

Includes

1000 units
• TAQ Polymerase (5U/?l) - 200 ?l
• 10X PCR Buffer (MgCl₂ free) - 1.25mlx2
• 25mM MgCl₂ - 1.0ml

5000 units
• TAQ Polymerase (5U/?l) - 200 ?lx5
• 10X PCR Buffer (MgCl₂ free) - 1.25mlx10
• 25mM MgCl₂ - 1.0mlx5

General Information

| | |
|---------------------|---------------------------------------|
| Storage | -20 °C (Blue/Dry Ice) |
| Shelf Life | 24 Months |
| IMDG Identification | Not Regulated for Transport (Non-Haz) |
| HSN Code | |
| 1000 Units | 38229090 (GST 12%) |
| 500 Units | 38229090 (GST 12%) |
| 5000 Units | 38229090 (GST 12%) |

Available Packages

500 Units

1000 Units

5000 Units

Disclaimer

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