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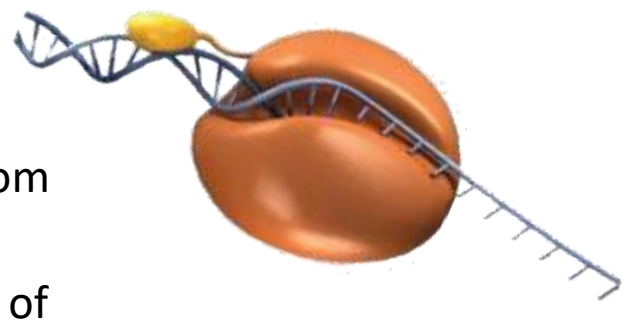
GeNext Genomics Pvt Ltd

HM TAQ DNA POLYMERASE



Source: An *E. coli* strain that carries HM Taq DNA polymerase gene.

Application: Routine PCR amplification of DNA fragments upto 6 kb from genomic DNA.

Storage Buffer: 12.5 mM Tris-HCl (pH 8.5) with optimized concentration of DTT, EDTA and 50% (V/V) Glycerol.

Shipping Condition: Shipped in ice packs.

Storage conditions: Storage at -20 ˚C is recommended.

10× Taq buffer composition: 200 mM Tris-HCl (pH 9.2) with optimized concentration of KCl along with NP-40.

Package Contents:

- ✓ HM Taq DNA Polymerase (5U/uL)
- ✓ 10× Taq Buffer (#HMB002)
- ✓ 25 mM $MgCl_2$

- Product Code: #HMT001
- Qty: 100 unit
- Lot No.: T02PT06/243
- Expiry:

PCR Reaction

Components	Volume (For 20 µL reaction)
10 × Taq Buffer	2 µL
1.5 mM $MgCl_2$	1.2 µL
10 mM dNTPs	0.6 µL
10 µM Forward Primer	0.4 µL
10 µM Reverse Primer	0.4 µL
HM Taq DNA Polymerase	0.2 µL
DNA Template	Variable
Nuclease Free Water	Up to 20 µL

PCR Program (General)

Step	Temperature	Time
Initial denaturation	95 ˚C	1-5 min
25-35 cycles (Annealing)	95 ˚C 45-68 ˚C 72 ˚C	30 sec 1-2 min 30 sec- 2 min
Final Extension	72 ˚C	1-5 min
Hold	4 ˚C	∞

Ordering Information:
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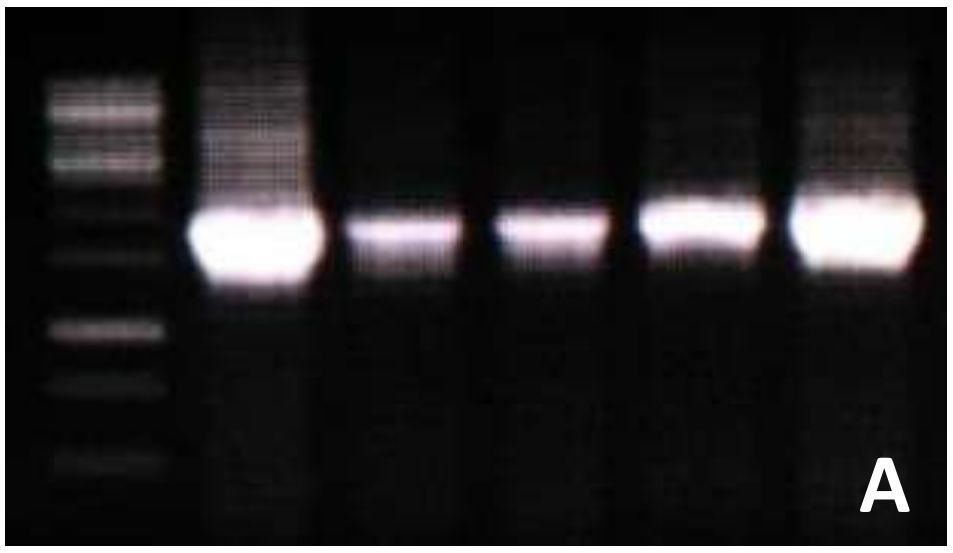
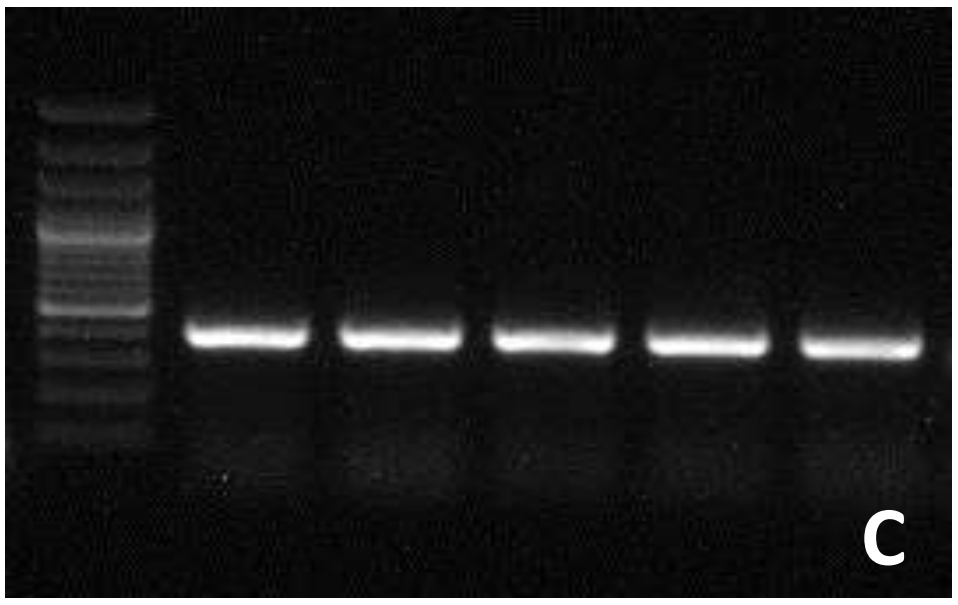
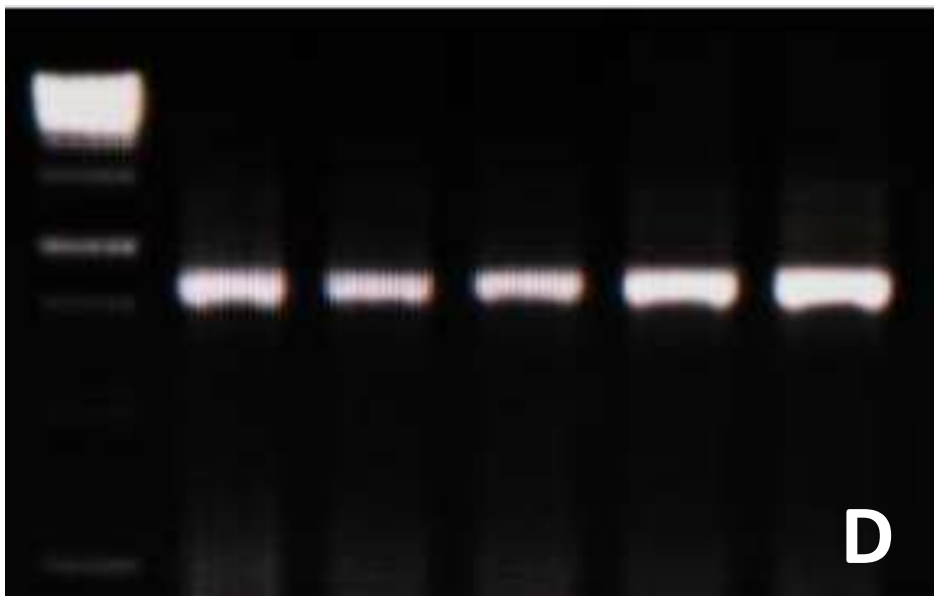
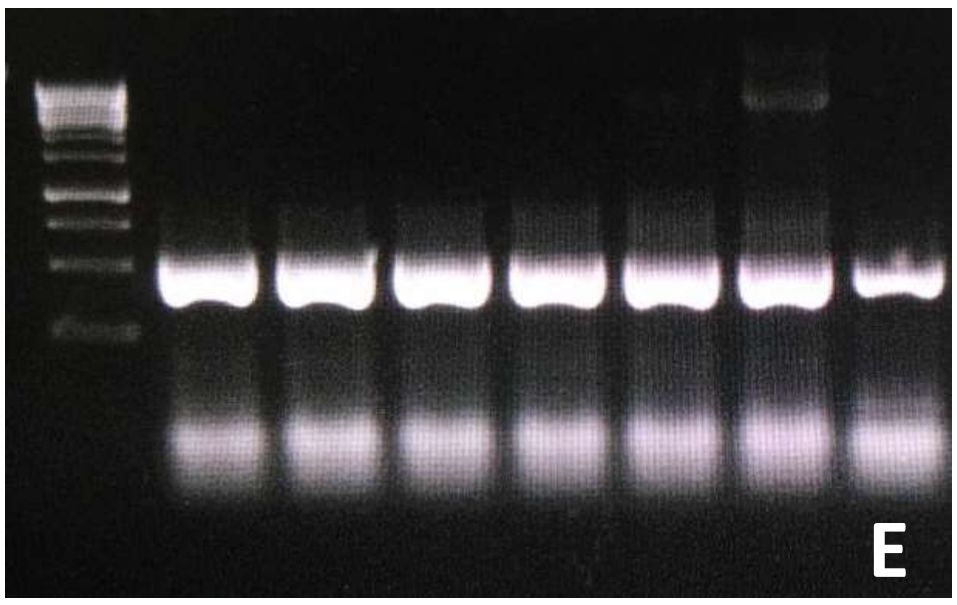
Performance Test









Quality control analysis of HM Taq DNA polymerase (Lot No.: T02PT06/243):
HM taq DNA polymerase used for PCR of plant genomic DNA (A), mouse cDNA (B), bacterial colony DNA (C), bacterial plasmid DNA (D), and viral DNA (E) as a template.

Product Features

- ***High Purity & specificity***
- ***Successful amplification from diverse source of templates***

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