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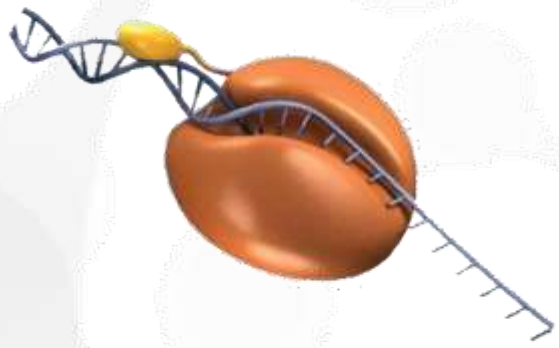
GeNext Genomics Pvt Ltd

RED 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.

Package Contents:

- ✓ HM Red Taq DNA Polymerase
- ✓ 10×R-Taq Buffer
- ✓ 20mM $MgCl_2$

10×R-Taq buffer composition: 200 mM Tris-HCl (pH 9.2) with optimized concentration of KCl & $MgCl_2$ along with NP-40.

- Product Code: RT002
- Quantity; 100 unit
- Lot No.:
- Expiry:

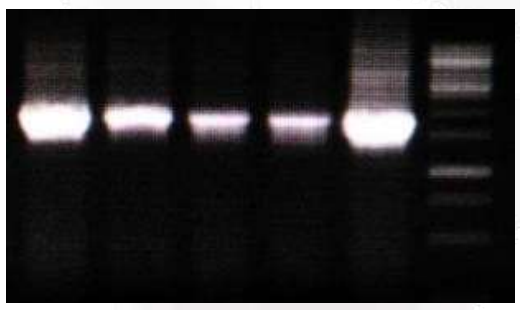
PCR Reaction

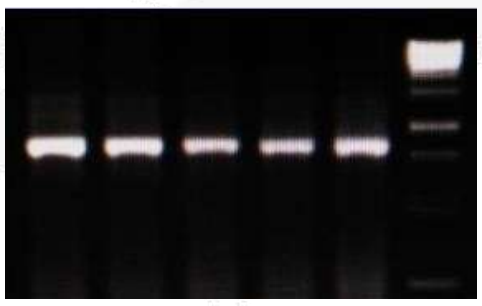
Components	Volume(for 20µl reaction)
10 × R –Taq Buffer	2 µl
10 mM dNTPs	0.6 µl
10 µM Forward Primer	0.4 µl
10 µM Reverse Primer	0.4 µl
HM Red Taq DNA Polymerase	1 µl
DNA Template	Variable
Nuclease Free Water	14.6 µl

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	∞

Note: No loading buffers or tracking dyes required. Samples may be added directly to an agarose gel after PCR and visualized.





Performance Test :

Quality control analysis of Red Taq DNA polymerase (Lot No.: PT13/243): Red Taq used for PCR of plant genomic & bacterial plasmid DNA template.

Features:

High Purity & specificity

Direct loading of PCR products without the need of loading dye for visualization

Ordering Information:

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