

NEW TAQ DNA POLYMERASE (Catalog #: T207029)

Contents: 10x PCR buffer with 15mM MgCl₂;
Taq DNA Polymerase (5U/ul)

Sizes: 5000 U (5x 200 uL)

Storage: -20°C

Use for research only. Not for Therapeutic or Diagnostic Use.

Unit definition: One unit is defined as the amount of the enzyme able to catalyze the incorporation of 10 nmoles of dNTP into an acid-insoluble form in a 50ul reaction in 30 minutes at 65oC.

Preparation of PCR Master Mix for a single reaction (total volume: 25uL) in a PCR tube	
Components:	Volume (uL)
10x PCR Buffer with MgCl ₂	2.5
10mM dNTP mix	0.5
Taq DNA Polymerase	0.5
Forward primer (10µM)	2
Reverse primer (10µM)	2
DNA Template (tail raw lysates)	2 determined by user
PCR grade water	up to 25 µL

Setup typical thermal cycling parameters and run PCR reactions at thermal cyclers.

Enzyme activation step:	94-95°C	2-3 minutes
25-40 cycles:		
Denaturation	94-95°C	30 seconds
Annealing	X°C	30 seconds dependent on T _m of primers
Extension	72°C	30 seconds (1min per kb amplicon)
Hold at 4-16°C		

Precautions and Disclaimer:

This product and procedure described are intended for R&D use only. Purchase of this product does not convey a license to perform any patented process.

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