



Cyrusbioscience

Specification

Pfu DNA Polymerase

Product Code: 102-9012-90-2
Form: Colorless-liquid
Molecular Weight: 90 kD

Specification

Appearance: Colorless-liquid
Activity: $\geq 5 \text{ U}/\mu\text{l}$

Endonuclease Assay: No conversion of covalently closed circular DNA to nicked form was detected after incubation of 10 units of *Pfu* DNA Polymerase with 1 μg of supercoiled plasmid DNA (pUC19) in Reaction Buffer for 4 hours at 37°C.

Exonuclease Assay: No degradation of DNA was observed after incubation of 1 μg of lambda DNA/HindIII fragments in Reaction Buffer containing 10 units *Pfu* DNA Polymerase for 4 hours at 37°C.
No degradation of DNA was observed after incubation of 1 μg of lambda DNA/HindIII fragments in Reaction Buffer containing 10 units *Pfu* DNA Polymerase for 4 hours at 70°C.

Functional Assay: Good performance in PCR was tested for amplification of 1 and 2kb gene from λ DNA.

SDS PAGE Purity: >95%

Responsible Laboratory Manager Quality Control: Taylor Lin

This document has been produced electronically and is valid without a signature.