



94531

Pfu Mix (2x)

Part E

Specifications

Appearance (Form)	Liquid
Appearance (Colour)	Blue
Appearance (Clarity)	Clear
Amplification capability	Upto 2kb size
Absence of nucleases	No DNA degradation seen when incubated overnight with the Master mix.
DNA contamination	No Plasmid or Genomic DNA contamination seen

Other Information

Description

Pfu Mix(2x) is a premixed, ready-to-use solution containing Pfu DNA Polymerase, dNTP, MgSO₄ and Reaction Buffer at optimal concentrations for efficient amplification of DNA templates by PCR. To prepare the final PCR, only primers and template DNA are added. Pfu Mix contributes to highly reproducible PCR by reducing the risk of pipetting errors, miscalculation and contamination. It also contributes to higher sensitivity by adding intensifier and optimizer.

Pfu DNA polymerase, derived from the hyperthermophilic archae Pyrococcus furiosus, has been shown to exhibit superior thermostability and proofreading properties compared to other thermostable polymerase. Unlike Taq DNA polymerase, highly thermostable Pfu DNA polymerase possesses 3' to 5' exonuclease proofreading activity that enables the polymerase to correct nucleotide-misincorporation errors. This means that Pfu DNA polymerase-generated PCR fragments will have fewer errors than Taq-generated PCR inserts. Using Pfu DNA polymerase in your PCR reactions results in blunt-ended PCR products, which are ideal for cloning into blunt-ended vectors. Pfu DNA polymerase is superior for techniques that require high-fidelity DNA synthesis.

Applications

High fidelity PCR
High reproducible PCR
PCR cloning
Site-directed mutagenesis

Includes

- 1ml (40 rxns)
- Pfu Mix (2x) -1.0 ml
- Water, Nuclease Free - 1.0ml

- 5 x 1ml (200 rxns)
- Pfu Mix (2x) -1.0 ml x 5
- Water, Nuclease Free - 1.0ml x 5

General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
1 ml	38229090 (GST 12%)
5 x1 ml	38229090 (GST 12%)

Available Packages

- 1 ml
- 5 x1 ml

Disclaimer

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