

FASTaq™ HotStart DNA Polymerase



Enzymes and Reagents

PCR | qPCR | RT | Kits | Oligonucleotides

Performance

Empirical's FASTaq™ HotStart DNA Polymerase is a chemically modified hot-start TAQ polymerase designed to reduce non-specific non-specific DNA amplification during reaction set up.

The FASTaq™ HotStart DNA Polymerase and Buffer System has been developed for automated dispensing, high-throughput and microarray applications.

FASTaq™ HotStart DNA Polymerase has activation times of two to 10 minutes at 95°C, resulting in faster cycling and fewer program changes.

Chemical modification keeps FASTaq™ HotStart DNA Polymerase free of any contaminating DNA from modifying agents (such as antibodies). FASTaq™ HotStart DNA Polymerase, IVD Grade, is manufactured under the ISO 13485:2016 Quality Management System and is suitable for use as a raw material in IVD applications.

Applications

- Hot-start PCR and RT-PCR
- Labeling of DNA with modified nucleotides
- Manufacturing of application mixes requiring stringent controls and validation

Features

- **High Processivity**
- **Purity:** >98% Pure by SDS-Page
- **Concentration:** >5U/ul
- **Free from Bacterial DNA:** 60 qPCR Cycles Minimum
- **Free from Human Genomic Contamination:** 60 qPCR Cycles Min.
- **Unspecific endonucleases (λDNA):** Not detectable in up to 25 U after 16 hours incubation at +37°C.
- **Nicking activity (pBR322 DNA):** Not detectable in up to 25 U after 16 hours incubation at +37°C.
- **Animal-derived additives:** None
- **Activation Time:** 2 – 10 Minutes (Assay Dependent)

Item Number	Units
FST-WB-1000	200
FST-WB-10000	500
FST-WB-50000	1000

Shipped in:

Storage buffer: Tris/HCl, 20 mmol/L; KCl, 100 mmol/L; DTT, 1 mmol/L; EDTA, 0.1 mmol/L; Tween 20, 0.2% (v/v); glycerol, 50% (v/v); pH 9.0 at +25°C

Shipped With:

- 10 FASTaq™ Reaction Buffer



TO ORDER, REQUEST SAMPLES OR FOR MORE INFORMATION, CONTACT:
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