

Certificate of Analysis

Product Description: Taq Core Kit 25 (250 U)
Catalog Number: EPTQK251
Lot: 1918M0023

Formula: N/A
CAS #: N/A
Physical Description: Kit

Formula Weight: N/A
Storage: -20°C

Test	Specification	Result
Identity Test	Passes	Passes

Taq Core Kit 25 contain all reagents required for PCR but as separated items:

- Taq DNA Polymerase: a highly purified thermostable recombinant polymerase, with a 5' - 3' exonuclease activity, but no 3' - 5' exonuclease activity. Taq DNA Polymerase resists to prolonged incubations at 95°C.
- Highly purified dNTPs: in a ready-to-use mastermix at 25 mM each, guaranteed for PCR.
- Optimised standard PCR buffers 10X C provided with and without MgCl₂, highly efficient in most PCR conditions.
- MgCl₂ solution at 25 mM as a separate item for peculiar optimisation of MgCl₂ concentration.

Unit definition: One unit of DNA polymerase is the amount of enzyme required to catalyse the incorporation of 10 nanomoles of nucleosides into a DE81 adsorbable product within 30 min at 74°C under assay conditions.

Absence of contamination: No nickase, endonuclease, 3' exonuclease and ribonuclease activities detected.

PCR assay on human genomic DNA: Specific PCR products of 400bp using human beta-globin gene as a template and decreasing amounts of both DNA template and Taq DNA polymerase are obtained in all assays.

Recommended Retest Date: 01/31/2020



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