
GeNei™ Red Taq DNA Polymerase

Description: GeNei™ Red Taq DNA Polymerase is a blend of Genei's Taq DNA Polymerase and an inert Red Dye. This dye enables quick visual confirmation of enzyme addition and reaction mixing. After amplification, the product can be directly loaded onto agarose gel without the addition of gel loading dye. The mobility of the red dye is slightly ahead of bromophenol blue dye.

Specification: The enzyme is supplied with 4 different Assay buffers at concentration of 1 U/ μ l.

Application:

- Amplification of DNA fragments of varied sizes ranging from about 100 bp to 3 kb by polymerase chain reaction.
- The enzyme can be used in RAPD studies to detect polymorphism in several species.

GeNei™ Taq DNA Polymerase can be supplied with:

- 10X buffer containing 15 mM MgCl₂ OR
- 10X buffer and separate vial of 25 mM MgCl₂

Performance Test:

- GeNei™ Red Taq DNA Polymerase was used in RAPD of rice DNA with a 10 mer primer. Expected band pattern was observed on 1.8% agarose gel.
- GeNei™ Red Taq DNA Polymerase was routinely used for generating specific amplified products of varying sizes from 100 bp to 3 kb with different template sources.

Highlights:

- Same great performance as GeNei™ Taq DNA polymerase in a more convenient format for high throughput applications
- Visual confirmation that not only has the enzyme been added, but that proper mixing has occurred.
- No additional loading dyes are necessary. An aliquot can be taken directly from the reaction and loaded onto an agarose gel for electrophoresis.

Storage: -20°C