

RED TAQ-500

Taq DNA Polymerase

[*Thermus aquaticus* strain YT-1]

Recombinant protein

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|-------------------------|--|
| Molecular weight | 94,0 kDa |
| Catalogue number | P-025 |
| Source | E.coli |
| Storage buffer | 20 mM HEPES; 100 mM KCl; 0,1% Triton X-100; 0,1 mM EDTA; 50% glycerol; 1mM DTT; pH 7,9 |
| Reaction buffer | 60 mM Tris-HCl; 1.5 mM MgCl ₂ ; 25 mM KCl; 10 mM 2-mercaptoethanol; 0.01 % Triton X-100; pH 8.5 |
| Concentration | 1 U/ 1µl |
| Amount | 500 U |
| Description | Taq DNA polymerase replicates DNA at 72°C. The enzyme catalyzes the polymerization of nucleotides into duplex DNA in the 5'=>3' direction in the presence of magnesium ions and possesses a 5'=>3' exonuclease activity. The enzyme is highly purified and is free of nonspecific endo- or exo- nucleases. Enzyme is stained in red. Stain facilitates the visual control of mixing the enzyme with other components in reaction. Stain doesn't influence on enzymatic activity of polymerase and other general characteristics. |

For research and manufacturing only, not for use in diagnostic applications.

Storage conditions: Long term storage at -20°C. Apronex guarantees optimal performance of this product for 12 months after date of delivery. Avoid freeze / thaw cycles.

Country of origin: Czech Republic

Apronex does not guarantee that the product can be used for special application. Apronex warrants that its products conform to the information contained in this Data Sheet.

This lot has been reviewed by Quality Assurance in compliance with requirements of Apronex's Quality System.

Director of Quality

Date