

2x Hot-Start DNA Polymerase Mix

2x Hot-Start Mix is a premixed; ready-to-use solution containing Hot-Start DNA Polymerase; dNTPs; Mg²⁺ 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. This pre-mixed formulation saves time and reduces contamination due to the fewer pipetting steps required for PCR set up. The mix retains all features of Hot-Start DNA Polymerase.

Hot-Start Taq DNA polymerase is a chemically modified Taq polymerase; which brings higher specificity by reducing non-specific products as the enzyme activity is temperature-dependent and is inhibited at room temperature. The amplification length and speed can reach to 5 kb (simple template) and 0.5 kb/min separately. Hotstart Taq has 5'-3' polymerase activity; but no 3'-5' exonuclease activity. The products of Taq plus have overhanged dA at 3'-end. Hotstart Taq DNA polymerase has zero animal source pollution by being produced with advanced chemical modification. And it is much more stable than antibody-modified hot-start polymerase. Its efficiency is higher than most chemical-modified polymerase and the initial-denaturation time can be reduced to 3 minutes.

Catalog No.	510016
Size	1mL
Product Category	PCR / qPCR / RT-PCR
Storage/Stability	-20°C/1 year
Shipping	Gel Packs