

Features:

- Maximo H-SPlus Taq DNA Polymerase is "inactive" at room-temperature
- When the reaction temperature is greater than 70 °C the Polymerase "jumps" into action
- It is neither blocked by antibodies nor by chemical modification -> ultra-short activation time
- For "high-yield" Hot-Start PCR results
- Multiplex PCR
- PCR setting up at room-temperature
- As sensitive Polymerase for PCR Diagnostics research
- ready-to use for lyophilization when using the HC-Versions

Description:

Maximo H-SPlus Taq DNA Polymerase (recombinant from *Thermus aquaticus*) catalyzes the polymerization of nucleotides into duplex DNA in 5'→3' direction in the presence of magnesium. It also possesses a 5'→3' polymerization-dependent exonuclease replacement activity but lacks a 3'→5' exonuclease activity. The activation of the enzyme starts immediately at 70°C and requires no increased time in heating or denaturation step. Its activity is blocked at ambient temperature and switched on automatically at the onset of the initial denaturation. The thermal activation prevents the extension of nonspecifically annealed primers and primer-dimer formation at low temperatures during PCR setup.

Order Information

Prod. No.	Description	Quantity
S9400	Maximo H-SPlus Taq DNA	200 Units
S9410	Maximo H-SPlus Taq DNA	1000 Units
S9410HC25	Maximo H-SPlus high concentrated	2000 Units*
S4910HC50	Maximo H-SPlus high concentrated	2000 Units*

* Setting up Fee per Order