



Creative Enzymes

Diagnostic Enzymes

HotStart Super Specific Taq DNA Polymerase

Product Information

Cat#	POL-010
Storage	Store at -25 ~ -15°C for 1 year.
Activity	5 U/μL
Description	HotStart Super Specific Taq DNA Polymerase is an antibody-blocked hot-start DNA polymerase suitable for Amplification Refractory Mutation Systems (ARMS) and highly specific PCR amplification. This product uses an antibody to block the 5'→3' polymerase activity of Taq DNA polymerase, inhibiting non-specific amplification during system preparation and temperature rise. Heating at the pre-denaturing temperature for 30 seconds completely inactivates the blocking antibody, releasing the DNA polymerase activity and ensuring high amplification efficiency, specificity, and sensitivity in the PCR system.
Applications	This product is highly specific and suitable for SNP genotyping.
Specification	250 U; 500 U; 1000 U; 10000 U; 25000 U; 100000 U
Activity Definitions	Using activated salmon sperm DNA as a template/primer, at 74°C for 30 min, the amount of enzyme that ingests 10 nmol of complete nucleotides as acidic insoluble matter is defined as 1 activity unit (U).