

# ThermaStop Technology

48hr Room Temperature Stability of complete MasterMix. Peace of Mind for high throughput PCR.



The Hot-Start/Cold Stop additive that turns all DNA Polymerases into highest performing hot start enzymes.

New ThermoGenix ThermaStop™ Hot Start technology offers a new approach for great performance and value. Designed for consistently robust and reliable amplification, ThermaStop Hot Start Additive can help you more easily get the results you're looking for, with virtually any template, application, or target.

**ThermoGenix hot-start technology:**

- Prevents amplification of nonspecific products
- Amplifies low-abundance targets
- Convenient RoomTemp Setup

**Why use ThermaStop Universal Hot Start Technology?**

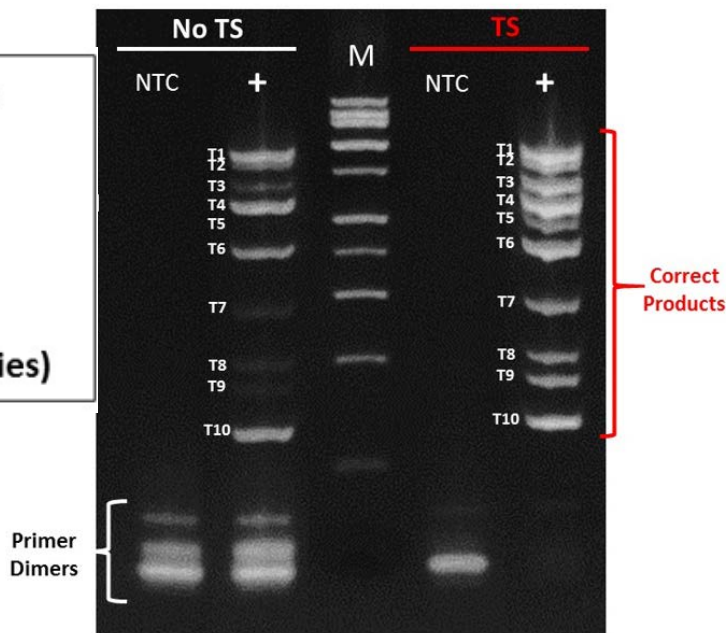
ThermaStop additive makes non-HS Enzymes into the hot-start version that out perform the modified Hot Start. ThermaStop also improves Hot Start DNA Polymerases to perform at higher level. This first in class hot-start technology offers higher yields and longer amplicons than conventional Taq-based products. In addition, due to the hot-start and cold stop feature ThermoGenix ThermaStop has been engineered to provide increased sensitivity and specificity.

**Features:**

- Minimized optimization of PCR Conditions Enzymes inhibited below 60 C.
- Minimized Primer Dimer formation Clean No Template Controls (NTC)
- Ability to use same cycling conditions as used with conventional Taq polymerase
- Wide range of amplicon lengths
- Successful High Yield Multiplexing
- Temperature Stability: loading options
- Compatibility with most PCR applications

**Complete Master Mix 48 Hours at 22°C: 10-Plex**

- Complete Master Mix**
1. All PCR Reagents
  2. Hot Start Taq DNA Polymerase
  3. Ten Pairs of Primers
  4. Mouse and Lambda Genomic DNA (500 copies)



No TS - No ThermaStop    TS - ThermaStop  
 NTC (No DNA Controls)    + - With Target DNA  
 M (Fisher Bioreagent™ Routine DNA ladder)