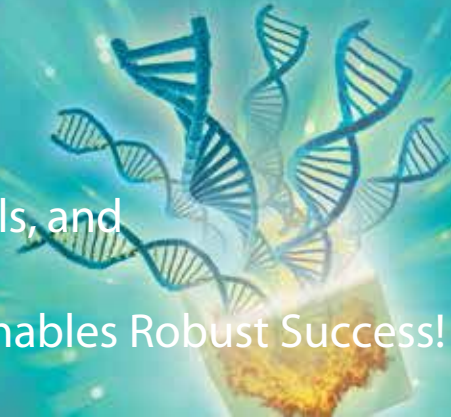


# ThermaStop Technology

Eliminate False Positive No Template Controls, and Sensitivity Destroying Primer Dimer!  
 Monoplex to Multiplex PCR - ThermaStop Enables Robust Success!



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

New ThermaGenix 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.

**ThermaGenix hot-start technology:**

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

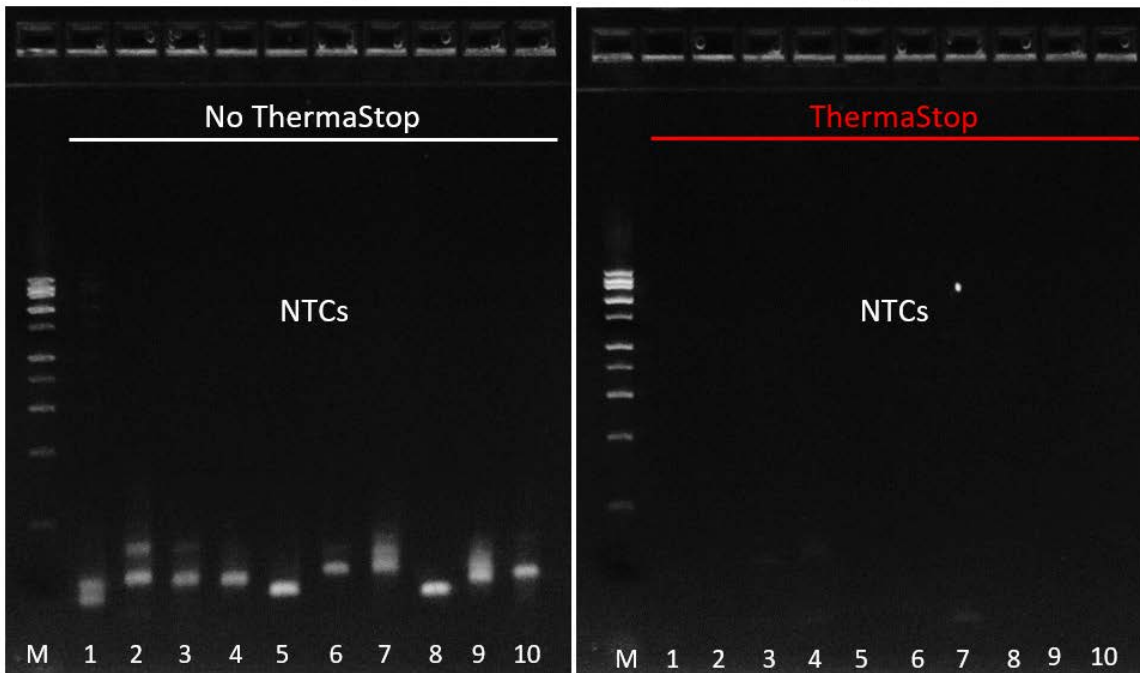
**Why use ThermaStop Universal Hot Start Technology?**

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 ThermaGenix 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

**Ten Separate Reactions Without Target**



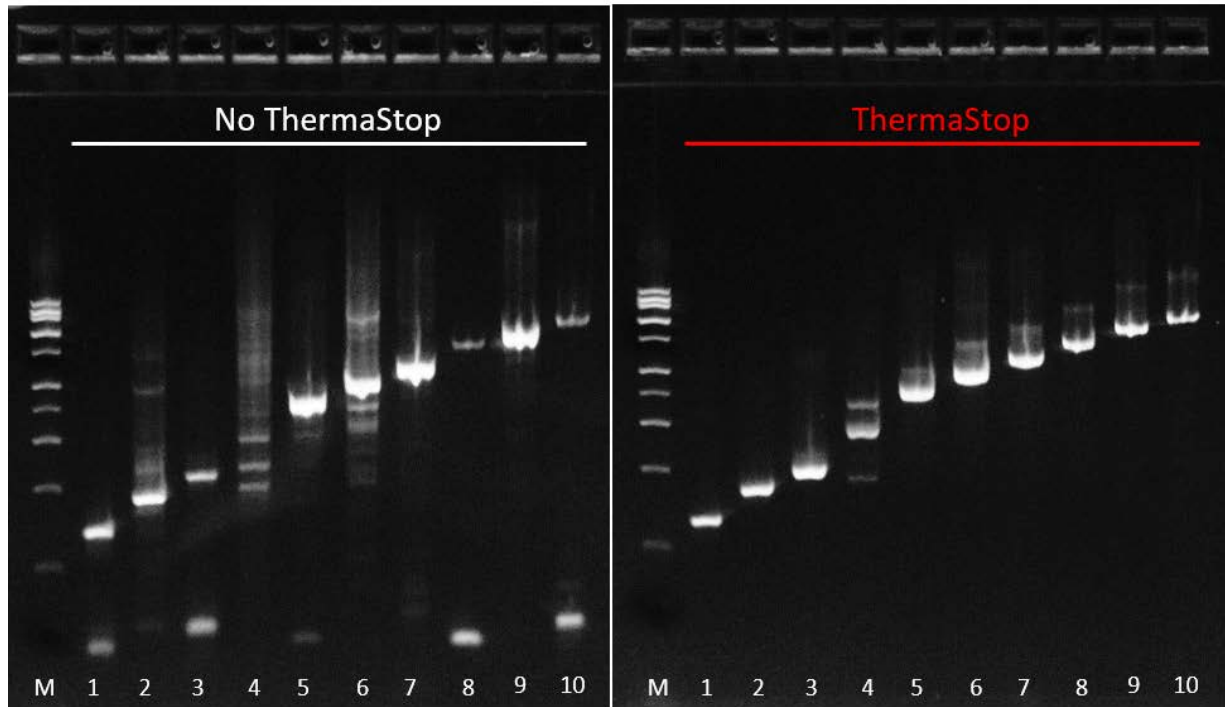
NTCs (No DNA controls)

M (Fisher Bioreagent™ Routine DNA ladder)

# ThermaStop Technology

From Monoplex to Multiplex PCR made easy with ThermaStop.

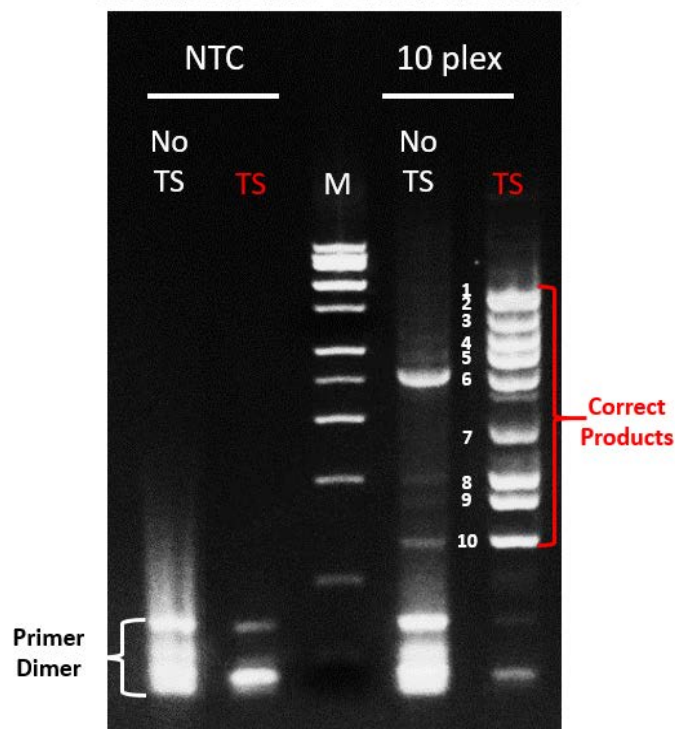
## Ten Separate Reactions With DNA Targets



Starting Material: Mouse DNA or Lambda DNA (500 copies)

M (Fisher Bioreagent™ Routine DNA ladder)

## Combine All Ten Reactions



NTC (No DNA Controls) No TS - No ThermaStop TS - ThermaStop

M (Fisher Bioreagent™ Routine DNA ladder) Mouse DNA or Lambda DNA (500 copies)