



ThermaStop™ Instructions for Use.

To prepare a 5 Units/ μ l ThermaStop stock:

PREPARATION:

- To prepare a 5 Units/ μ l ThermaStop stock:
- Centrifuge ThermaStop tube briefly to insure the dried reagent is at the bottom of the tube.
- Add 444 μ l sterile, molecular-grade 10 mM Tris-Cl, pH 8.3.
- Vortex tube for at least 1-2 minutes.
- Allow tube to sit at room temperature for six hours (or overnight) with occasional mixing to insure reagent is completely dissolved.
- Vortex an additional minute, then centrifuge briefly.
- Aliquot into smaller volumes, if desired.

RECOMMENDED STORAGE CONDITIONS:

- ThermaStop can be stored at 4°C or -20°C in dark (or light protected) tubes.
- If frozen, divide stock into small volume aliquots to avoid freezing and thawing more than 5 times.

USE:

- Add a number of units of ThermaStop equal to the number of units of Taq DNA polymerase in the amplification reaction.
 - Example: For a 25 μ l reaction containing 1 unit of Taq DNA polymerase (0.2 μ l of 5 Units/ μ l Taq DNA polymerase) add 1 unit of ThermaStop (0.2 μ l of 5 Units/ μ l ThermaStop).
- ThermaStop was evaluated for sample volumes of 10 to 25 μ l. Sample volumes outside that range may require optimization of the ThermaStop to Taq ratio.
- PCR annealing temperature should be 60°C or above to insure full enzyme activity.