



ThermaStop™ Instructions for Use.

To prepare a 5 Units/μl ThermaStop stock:

PREPARATION:

To prepare a 5 Units/μl ThermaStop stock:

Centrifuge ThermaStop tube briefly to insure the dried reagent is at the bottom of the tube.

Add sterile, molecular grade 10mM Tris-Cl, pH 8.3; 100 ul for vials containing 500 units, or 500 ul for vials containing 2500 units.

Vortex tube for at least 1-2 minutes.

Allow tube to sit at room temperature for 15 minutes with occasional mixing to ensure 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:

ThermaStop should be added PRIOR to the addition of DNA polymerase to the reaction mix. Add an equal number of units of ThermaStop and DNA polymerase to the amplification reaction.

Example:

For a 25 μl reaction using 1 unit of DNA polymerase (0.2 μl of 5 Units/μl DNA polymerase) add 1 unit of ThermaStop (0.2 μl of 5 Units/μl ThermaStop).

ThermaStop was evaluated for sample volumes of 10 to 25 μl.

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.