



### Product Insert

**Catalog # YST0002, 5U/uL, HotStart Taq DNA Polymerase. Check our website for the various product sizes available.**

HotStart DNA Polymerase is a chemically modified form of Taq DNA Polymerase requiring thermal activation.

Features of this enzyme:

- Automated chemical hot-start enzyme for increased specificity, sensitivity, and yield
- Time-released thermal activation improves sensitivity in low copy number amplifications
- Successful multiplex PCR saves time and reagents

Hot-start activation

The modified enzyme is provided in an inactive state. Upon thermal activation, the modifier is permanently released, regenerating active enzyme. The resulting hot-start PCR amplification provides increased sensitivity, specificity, and yield over conventional PCR techniques.

Test Method for 20uL Reaction Volume:

Component	Volume, uL
2X SenseCare HotStart Taq PCR Buffer	10
HotStart Taq DNA Polymerase	0.3
20X TaqMan Assay (Primer/Probe Mix)	1
DNA Sample	2
Water	6.7
<b>Total</b>	<b>20</b>

Thermal Cycler Protocol:

