



- Exceptional sensitivity for low-copy PCR
- Ideal for multiplex PCR and amplification of GC-rich DNA
- Same enhanced features as PR1MA Taq Polymerase
- Buffer optimized for fast cycling and reproducibility

Engineered for controlled polymerase activity, PR1MA Hot Start Taq is bound with a monoclonal antibody that blocks enzyme activity. This allows reactions to be set up at room temperature without the risk of non-specific amplification.

When samples are ready, the reaction mixture is heated to 95°C to denature the antibody and initiate the reaction. Similar to the standard

PR1MA Taq, Hot Start Taq is provided with a 5X buffer, or in a ready-to-use 2X Master Mix. The Master Mix can be ordered with or without an incorporated red gel loading dye. The Red Dye Master Mix incorporates a red-loading dye that allows amplified samples to be loaded directly on an agarose gel. The red color aids in visualization during pipetting, and higher density of the buffer ensures that the samples will drop into the gel wells.

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of GC-rich DNA*

## ORDERING INFORMATION

ITEM #	DESCRIPTION	QUANTITY
PR1000-HS-500	HS Taq	500 units
PR1000-HS-2500	HS Taq	2,500 units
PR1000-HS-10000	HS Taq	10,000 units
PR1001-HS-200	HS Taq Master Mix	200 reactions