



- Ideal for routine PCR applications as well as genotyping, colony PCR, and fast PCR
- Improved template affinity and solubility for higher enzyme activity and greater yields
- Proprietary buffer optimized for a variety of assay conditions
- Conveniently supplied as a 2X Master Mix or in a 2-tube format of polymerase and separate 5X buffer

PR1MA™ Taq provides superior results for routine applications. Modified to improve DNA-binding, this polymerase offers higher solubility and greater template affinity, resulting in consistently superior performance. PR1MA™ Taq Polymerase exhibits a 5' to 3' nuclease activity, but no 3' to 5' (proofreading) activity and works well with a wide range of DNA templates including GC-rich sequences.

The polymerase is supplied with a 5X buffer containing MgCl<sub>2</sub> and a proprietary mix of enhancers (dNTP's not included). For convenience, PR1MA Taq is also available in a ready-to-use 2X Master Mix - just add primers and template DNA. Our "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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## ORDERING INFORMATION

ITEM #	DESCRIPTION	QUANTITY
PR1000-500	Taq	500 units
PR1000-1000	Taq	1,000 units
PR1000-5000	Taq	5,000 units
PR1000-10000	Taq	10,000 units
PR1000-R-500	Taq Red Dye	500 units
PR1001-500	Taq Master Mix	500 reactions
PR1001-R-200	Taq Master Mix Red Dye	200 reactions
PR1001-R-500	Taq Master Mix Red Dye	500 reactions