



Lot 0006436243

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Catalog Number	600870
Product Name	Paq5000 Hotstart PCR Master Mix
Expiration Date	2021-05-30
Quantity	2.5 ml of a 2× Master Mix (100 Reactions)
Certified By	Dana Faver
Quality Controlled By	Matt Huffman
Shipping Conditions	Shipped on dry ice.

**Storage Conditions**

Store at -20°C upon receipt. Store at 4°C after thawing. Once thawed, full activity is guaranteed for 6 months.

**Description**

The Paq5000 Hotstart PCR Master Mix is a 2× formulation containing Paq5000 hotstart DNA polymerase, optimized PCR reaction buffer, magnesium, and dNTPs. Paq5000 hotstart DNA polymerase\* is an alternative to hot start *Taq* DNA polymerase that provides higher PCR yields. The novel hot start mechanism allows room temperature PCR assembly, provides reduced background, and improves detection sensitivity. Paq5000 hotstart PCR master mix is ideal for endpoint PCR of genomic targets up to 6 kb. It is not recommended for high-fidelity cloning or 5' nuclease assays.

**Test Conditions**

The Paq5000 hotstart PCR master mix is tested in PCR assays using multiple primer-template systems. The resulting amplification products are visualized on an agarose gel to verify the production of discrete products of the expected size.

**Contamination Test Conditions**

The Paq5000 hotstart PCR master mix is tested for the absence of detectable nonspecific nuclease activity and DNA contamination.

**Notice To Purchaser**

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**Endnotes**

\* U.S. Patent Nos. 6,734,293; 6,444,428; 6,183,997 and 5,489,523.

**Limited Product Warranty**

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