



Lot 0006417487

Page 1 of 1

---

Catalog Number	600870
Product Name	Paq5000 Hotstart PCR Master Mix
Expiration Date	2020-08-30
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**

This product is provided under an agreement between Bio-Rad Laboratories and Agilent Technologies, and the manufacture, use, sale or import of this product is subject to EP Pat. No. 1 283 875 B1, owned by Bio-Rad Laboratories, Inc. Purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in PCR (but not real-time PCR) in the Research Field including all Applied Research Fields (including but not limited to forensics, animal testing, and food testing).

**Endnotes**

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

**Limited Product Warranty**

This warranty limits our liability to replacement of this product. No other warranties of any kind, express or implied, including, without limitation, implied warranties of merchantability or fitness for a particular purpose, are provided by Agilent. Agilent shall have no liability for any direct, indirect, consequential, or incidental damages arising out of the use, the results of use, or the inability to use this product.

For Research Use Only. Not for use in diagnostic procedures. This certificate is a declaration of analysis at the time of manufacture.

**Made in USA**

Agilent Technologies  
1834 State Highway 71 West  
Cedar Creek, TX 78612 USA

For support within the US or Canada: 1-800-227-9770-3-4  
For global support: [www.agilent.com/genomics/contactus](http://www.agilent.com/genomics/contactus)