



Lot 0006497255

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Catalog Number	600396
Product Name	PfuUltra Hotstart DNA Polymerase AD
Expiration Date	2021-11-30
Quantity	1000 U
Certified By	Dana Faver
Quality Controlled By	Matt Huffman
Shipping Conditions	Shipped on dry ice.
Storage Conditions	Store at -20°C upon receipt.

### Concentration

2.5 U/μl

### Description

*PfuUltra* Hotstart DNA Polymerase AD\* features a reformulated buffer system and novel hot start mechanism for increased economy with the same high performance as our original *PfuUltra* Hotstart DNA Polymerase. Formulated from a genetically engineered mutant of *Pfu* DNA Polymerase\*\*, *PfuUltra* Hotstart DNA Polymerase AD provides robust, high-fidelity amplification of long, complex genomic targets of up to 19 kb. The hot start capability allows room temperature PCR assembly, provides reduced background, and improves detection sensitivity.

### 10x Reaction Buffer

Use only the provided 10× *PfuUltra* HS Reaction Buffer AD. Changing the reaction buffer may adversely affect the yield and/or fidelity of the reaction.

### Test Conditions

*PfuUltra* Hotstart DNA Polymerase AD is extensively tested using multiple primer-template systems and a broad range of target sizes.

### Contamination Test Conditions

*PfuUltra* Hotstart DNA Polymerase AD is tested for the absence of detectable nonspecific nuclease activity and DNA contamination.

### Endnotes

\* U.S. Patent Nos 6,734,293, 6,444,428, 6,183,997, 5,948,663, and 5,545,552.

\*\* U.S. Patent Nos 5,948,663 and 5,545,552.

### 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  
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