Lot Validation
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Catalog Number 600255
Product Name PfuTurbo DNA Polymerase AD
Expiration Date 2022-04-19
Quantity 100 U
Certified By Dana Fauer
Quality Controlled By Matt Huffman
Shipping Conditions Shipped on dry ice.
Storage Conditions Store at -20°C upon receipt.
Enzyme Lot Number 9876543210
Buffer Lot Number 4561237890
Kit Lot Number 0123456789

Concentration 2.5 U/µl

Description
PfuTurbo DNA polymerase AD features a reformulated buffer system for increased economy with the same high performance as the original PfuTurbo DNA polymerase, an enhanced version of Pfu DNA polymerase. As with Agilent’s original PfuTurbo DNA polymerase, PfuTurbo DNA polymerase AD features Agilent’s patented ArchaeMaxx polymerase enhancing factor for robust high-fidelity PCR.

10x Reaction Buffer
Use only the provided 10x Cloned Pfu DNA Polymerase AD Reaction Buffer. Changing the reaction buffer may adversely affect the yield and/or fidelity of the reaction.

Unit Activity
One unit of activity is the amount of PfuTurbo DNA polymerase AD required to incorporate 10 nmoles of [³H]TTP into an acid-insoluble form in 30 minutes at 72°C.

Test Conditions
PfuTurbo DNA polymerase AD is extensively tested using multiple primer-template systems ranging from 0.9 to 14 kb in length.

Contamination Test Conditions
PfuTurbo DNA polymerase AD is tested for the absence of detectable nonspecific nuclelease activity and DNA contamination.

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This product is covered by the claims of one or more of the following U.S. Patents: 5,545,552; 5,556,772; 5,948,663; 6,183,997; 6,333,165; 6,379,553; 6,444,428; 6,734,293. Purchase of this product conveys to the purchaser only the non-transferable right under these patents to use the product for research use only by the purchaser. No rights are granted to the purchaser hereunder to sell, modify for resale or otherwise transfer this product, either alone or as a component of another product, to any third party. Agilent reserves all other rights, and this product may not be used in any manner other than as provided herein. For information on obtaining a license to use this product for purposes other than research, please contact Agilent Technologies, Business Development, 11011 North Torrey Pines Road, La Jolla, California 92037. Phone (858) 373-6300.

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Laboratory Reagent. Not for use in diagnostic procedures. This certificate is a declaration of analysis at the time of manufacture.

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