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Lot 0006513662

Page 1 of 1

Catalog Number	600184
Product Name	AccuScript PfuUltra II RT-PCR Kit
Expiration Date	2023-05-30
Quantity	50 Reactions
Certified By	Dana Faver
Quality Controlled By	Matt Huffman
Shipping Conditions	Shipped on dry ice.
Storage Conditions	Store at -20°C upon receipt.

Description

The AccuScript *PfuUltra* II RT-PCR Kit provides the reagents necessary for high-accuracy, high-throughput RT-PCR. The kit features AccuScript High Fidelity Reverse Transcriptase* (RT) for 1st strand cDNA synthesis and *PfuUltra* II Fusion HS DNA Polymerase* for PCR amplification. AccuScript high fidelity RT is a Moloney murine leukemia virus reverse transcriptase (MMLV-RT) derivative combined with a proofreading 3'-5' exonuclease, which delivers more than three-fold greater accuracy than leading reverse transcriptases.¹ *PfuUltra* II fusion HS DNA polymerase includes hot start antibody and the ArchaeMaxx polymerase-enhancing factor to achieve high specificity and long target-length capability while dramatically reducing overall PCR extension times.

Test Conditions

The reagents provided with this kit are tested in RT-PCR assays with multiple mRNA targets according to the protocol provided in the instruction manual. The cDNA products are PCR-amplified using appropriate gene-specific primers and the amplification products are visualized on an agarose gel to verify the presence of the expected product.

Contamination Test Conditions

All reagents in the AccuScript *PfuUltra* II RT-PCR kit are tested extensively to confirm the absence of nonspecific RNase and DNA contamination.

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Reference

1. Arezi, B. and Hogrefe, H. H. (2007) *Anal Biochem* 360(1):84-91.

Endnotes

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

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