

Product Information	
AccuStart™ PCR SuperMix	
Part Number	95060-02K
Number of Reactions	2000 reactions
Reaction Size	50 µL
Storage Temperature	-25°C to -15°C
Lot Number	025291
Reference Number	050418
Expiration Date	05/31/2021

**Product Description:**

AccuStart PCR SuperMix is a 2X concentrated, ready-to-use cocktail for routine PCR amplification of DNA fragments up to 4 kB. It contains all components, except primers and template.

Product Specifications			
95060			
Assay	qPCR β-actin Plasmid DNA Functional Assay	DNase	RNase
Result	Pass	Pass	Pass

**Quality Control Analysis and Specifications:**

**Nuclease Assay:**

**DNase:** DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

**RNase:** RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

**qPCR β-actin Plasmid DNA Functional Assay:** Detection of β-actin from 10 copies to 1 x 10<sup>7</sup> copies. Correlation of determination (R<sup>2</sup>) ≥ 0.990 from Ct standard curve analysis. Slope from Ct standard curve analysis between -3.20 and -3.70.

**Limitations of Use**

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