

## 2x Inhibitor Tolerant qPCR Mix

For research or further manufacturing use only

Catalog No:	MDX013
Lot No:	EM020-B122080
Storage Conditions:	-20°C
Component Lot No:	ITM-323311A
Expiry date:	December 2025

### Quality Control Parameters

Hot-start qPCR mix developed for direct amplification from human and animal blood samples.

Analysis	Specification	Result
Functional	<p>Quantitative real-time PCR analysis amplifying three different targets from a dilution series of mouse cDNA under standard conditions.</p> <p><u>Pass Criteria:</u></p> <p>For amplification below Ct 30, Ct profiles must be consistent for test and reference samples with a <math>\pm 0.5</math> Ct variance.</p> <p>For amplification greater than Ct 30, Ct profiles must be consistent for test and reference samples with a <math>\pm 1</math> Ct variance.</p>	Passed
DNA contamination	<p>Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked.</p> <p><u>Pass Criteria:</u></p> <p>Test sample must amplify in concordance with control sample.</p>	Passed
DNase contamination	<p>DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis.</p> <p>Limit of detection: <math>6.25 \times 10^{-4}</math> KU DNase I.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>	Passed

QA / QC Representative:



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 Date: 9<sup>th</sup> November 2023

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