

## Hi-throughput dUTP qPCR Mix

For research or further manufacturing use only

Catalog No:	MDX031
Lot No:	EM042-B120050
Storage Conditions:	-20°C
Component Lot No:	SFPNU-123108A
Expiry date:	September 2025

### Quality Control Parameters

Optimized formulation for efficient dUTP incorporation to remove background PCR product contamination

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 genes from a dilution series of mouse cDNA under standard conditions. Cq profiles must be consistent for the test and reference sample with $\pm 0.5$ Cq variance.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in line with control sample.	Passed
DNase contamination	Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection $2.5 \times 10^{-3}$ U DNase I.	Passed

QA / QC Representative:



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Date: 16<sup>th</sup> August 2023

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