

Fast 1-Step RT-qPCR Mix

For research or further manufacturing use only

Catalog No:	MDX032
Lot No:	EM044-B361720
Storage Conditions:	-20°C
Component Lot No:	SFPN1S-525112B
Expiry date:	January 2028

Quality Control Parameters

RT-qPCR mix formulated for fast, automated, high-throughput systems

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 genes from a dilution series of mouse RNA under standard conditions. Cq profiles must be consistent for the test and reference sample with ± 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 2.5×10^{-3} U DNase I.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection 9.7×10^{-3} ng/ μ L RNase.	Passed

QA / QC Representative: 

X. Chen

Date: 29th December 2025

United Kingdom

Tel: +44 (0)20 8830 5300
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MMLV-RT

For research or further manufacturing use only

Catalog No:	MDX032
Lot No:	EM044-B361720
Storage Conditions:	-20°C
Component Lot No:	RTP-525112A
Expiry date:	January 2028

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 genes from a dilution series of mouse RNA under standard conditions. Cq profiles must be consistent for the test and reference sample with ± 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 2.5×10^{-3} U DNase I.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection 9.7×10^{-3} ng/ μ L RNase.	Passed

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RNase Inhibitor

Suitable for Research and further Manufacturing Use

Catalog No:	MDX032
Lot No:	EM044-B361720
Storage Conditions:	-20°C
Component Lot No:	RI-425112A
Expiry date:	January 2028

Quality Control Parameters

Analysis	Specification	Result
Inhibition	Test level of inhibition by incubating total RNA with concentration gradient of RNase A. Bands were observed with agarose gel electrophoresis (ethidium stained).	Passed

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