

	Certificate of Analysis	COA No: CA_BEM-0028-2
		Version: 03

RNase-Tolerant MMLV-RT Suitable for Research and further Manufacturing Use as an IVD component	Catalog No:	MDX043
	Lot No:	EN056-B109390
	Storage Conditions:	-20°C
	Component Lot No:	RT1-022207A
	Expiry date:	August 2024

Quality Control Parameters

MMLV-RT (Moloney Murine Leukemia Virus Reverse Transcriptase) is a reverse transcriptase that can be used for cDNA synthesis and subsequent PCR or qPCR in a one-step or two-step assay.

Analysis	Specification	Result
Functional	Quantitative RT-PCR analysis amplifying three targets in multiplex from a dilution series of mouse RNA under standard conditions. Ct profiles must be consistent for test and reference samples with a ± 0.5 Ct variance. The delta Rn of the amplification traces, for test and reference samples, must be within 10 %.	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 1 Kb double stranded DNA fragment. Incubation for four 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:



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