

55C MMLV-RT

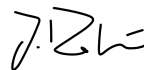
For research or further manufacturing use only

Catalog No:	MDX117
Lot No:	B124790
Storage Conditions:	-20°C
Component Lot No:	124301A
Expiry date:	February 2026

Quality Control Parameters

Analysis	Specification	Result
Functional	Activity is measured as reverse transcriptase units by primer extension analysis against a reference enzyme. <u>Pass Criteria:</u> Activity must be equal to or greater than 200 U/μL	Passed
Specific Activity	The Specific activity must be ≥ 300,000 U/mg	Passed
Purity	Densitometric analysis of SDS-Page. Purity must be higher than 95%	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 x 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 9.7x10 ⁻³ ng/μL RNase.	Passed

QA / QC Representative:



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 Date: 26th January 2024

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