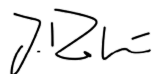
	Certificate of Analysis	COA No: CA_XBE-0076-2
		Version: 03

55C MMLV-RT For research or further manufacturing use only	Catalog No:	MDX117
	Lot No:	B130730
	Storage Conditions:	-20°C
	Component Lot No:	124308A
	Expiry date:	September 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 $\geq 300,000$ 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 2.5×10^{-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/μL RNase.	Passed

QA / QC Representative:



J. Rahnenführer

Date: 4th September 2024

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