	<b>Certificate of Analysis</b>	CA_BMM-0029
		Version: 03

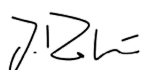
<b>REC Extraction Control</b>  For research or further manufacturing use only	Catalog No:	MDX028
	Lot No:	GR038-B344930
	Storage Conditions:	-80°C
	Component Lot No:	RC54-525107A
	Expiry date:	January 2027

### Quality Control Parameters

Internal control designed to closely mimic test samples. Can be used to validate the extraction step and monitor any co-purification of PCR inhibitors

Analysis	Specification	Result
Functional	Quantitative PCR analysis comparing test and history RNA internal control. <u>Pass Criteria:</u> Test sample must amplify at a mean Ct of 27 - 30. The difference between test and history is less than 1 Ct. The negative control with and without reverse transcriptase is negative. The no template control with and without reverse transcriptase is negative. The no reverse transcriptase control is negative.	Passed

QA / QC Representative:



J. Rahnenführer

Date: 01<sup>st</sup> August 2025

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	<b>Certificate of Analysis</b>	COA No: CA_CHM-0478
		Version: 05

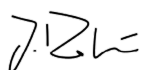
<b>Control Mix 670</b>  For research or further manufacturing use only	Catalog No:	MDX028
	Lot No:	GR038-B344930
	Storage Conditions:	-80°C
	Component Lot No:	CM670-425207A
	Expiry date:	January 2027

### Quality Control Parameters

Internal control designed to closely mimic test samples. Can be used to validate the extraction step and monitor any co-purification of PCR inhibitors

Analysis	Specification	Result
Functional	Quantitative PCR analysis comparing test and history samples. <u>Pass Criteria:</u> Test sample must overlay the history sample with a difference between test and history of less than 1 Ct.	Passed
NTC Assay	Quantitative PCR analysis of test sample with a water control. <u>Pass Criteria:</u> Total positive samples must be less than 10% of the total NTC's run. Positive samples must have an average Ct value > 38.	Passed

QA / QC Representative:



J. Rahnenführer

Date: 1<sup>st</sup> August 2025

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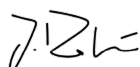
	<b>Certificate of Analysis</b>	COA No: CA_XBB-0014
		Version: 09

<b>MgCl<sub>2</sub> Solution, 50mM</b>  For research or further manufacturing use only	Catalog No:	MDX028
	Lot No:	GR038-B344930
	Storage Conditions:	-20°C
	Component Lot No:	MG-2031.019
	Expiry date:	January 2027

### Quality Control Parameters

Analysis	Specification	Result
Functional	Fragments of sizes 800bp and 3000bp are amplified with a dilution series of BIOTAQ™ DNA Polymerase, using standard conditions and 30 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	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 a reference 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.	Passed

QA / QC Representative:



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