

REC Extraction Control

For research or further manufacturing use only

Catalog No:	MDX029
Lot No:	GR039-B110620
Storage Conditions:	-80°C
Component Lot No:	RC54-222209A
Expiry date:	April 2024

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

QA / QC Representative:



Alberta Newton

Date: 27th September 2022

Control Mix 560

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Catalog No:	MDX029
Lot No:	GR039-B110620
Storage Conditions:	-80°C
Component Lot No:	CM560-222109A
Expiry date:	April 2024

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:



Alberta Newton

Date: 27th September 2022

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MgCl₂ Solution, 50mM

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Catalog No:	MDX029
Lot No:	GR039-B110620
Storage Conditions:	-20°C
Component Lot No:	MG-2031.015
Expiry date:	April 2024

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 2.5×10^{-3} U DNase.	Passed

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