

REC Extraction Control

For research or further manufacturing use only

Catalog No:	MDX028
Lot No:	GR038-B102140
Storage Conditions:	-80°C
Component Lot No:	RC54-222101A
Expiry date:	August 2023

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:



Andrew Galeeba-M

 Date: 3rd February 2022

Control Mix 670

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Catalog No:	MDX028
Lot No:	GR038-B102140
Storage Conditions:	-80°C
Component Lot No:	CM670-022301A
Expiry date:	August 2023

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:



Andrew Galeeba-M

 Date: 3rd February 2022

United Kingdom

 Tel: +44 (0)20 8830 5300
 Fax: +44 (0)20 8452 2822

USA

 Tel: +1 901.382.8716
 Fax: +1 901.382.0027

Germany

 Tel: +49 (0)3371 60222 00
 Fax: +49 (0)3371 60222 01

Australia

 Tel: +61 (0)2 9209 4180
 Fax: +61 (0)2 9209 4763

MgCl₂ Solution, 50mM

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Catalog No:	MDX028
Lot No:	GR038-B102140
Storage Conditions:	-20°C
Component Lot No:	MG-2031.013
Expiry date:	August 2023

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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