	<b>Certificate of Analysis</b>	COA No: CA BMM-0001
		Version: 08

<b>BioMix™</b>  For research or further manufacturing use only	Catalog No:	BIO-25012
	Lot No:	PM315-B121130
	Storage Conditions:	-20°C
	Component Lot No:	BM15-323210A
	Expiry date:	November 2025

### Quality Control Parameters

Analysis	Specification	Result
Functional	A 1.2Kb fragment is amplified with a dilution series of human genomic DNA, 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:



Andrew Galeeba-M

Date: 19<sup>th</sup> October 2023

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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:	BIO-25012
	Lot No:	PM315-B121130
	Storage Conditions:	-20°C
	Component Lot No:	MG-2031.017
	Expiry date:	November 2025

### 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:



Andrew Galeeba-M

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