	<b>Certificate of Analysis</b>	COA No: CA BMM-0018
		Version: 09

<b>ImmoMix™ Red</b>  For research or further manufacturing use only	Catalog No:	BIO-25022
	Lot No:	PM356-B112330
	Storage Conditions:	-20°C
	Component Lot No:	IMXR-222311A
	Expiry date:	December 2024

### Quality Control Parameters

Analysis	Specification	Result
Functional	A 0.9Kb 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:



Alberta Newton

Date: 18<sup>th</sup> November 2022

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	<b>Certificate of Analysis</b>	COA No: CA_XBB-0014
		Version: 08

<b>MgCl<sub>2</sub> Solution, 50mM</b>  For research or further manufacturing use only	Catalog No:	BIO-25022
	Lot No:	PM356-B112330
	Storage Conditions:	-20°C
	Component Lot No:	MG-2031.015
	Expiry date:	December 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 $2.5 \times 10^{-3}$ U DNase.	Passed

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