

	<b>Certificate of Analysis</b>	COA No: CA BMM-0022
		Version: 02

<b>RANGER Mix</b>  For Research Use Only	Storage Conditions:	-20°C
	Lot number:	RNGX-717211A
	Expiry date:	December 2019

<b>Quality Control Parameters</b>
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Analysis	Specification	Result
Functional	Fragments of sizes 10Kb and 23Kb are 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

Authorised by Christopher Weatherall



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