BIOLINE A Meridian Life Science® Company	Certificate of Analysis	COA No: CA BEM-0004 Version: 02

ACCUZYME DNA Polymerase For Research Use Only	Storage Conditions: -20°C Lot number: AC-515109 Expiry date: October 2017

Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 3Kb is amplified with a dilution series Lambda DNA, using standard conditions and 30 cycles. Fragment of size 5Kb is amplified with a dilution series of Lambda DNA, using standard conditions and 30 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained). Quantitative PCR analysis amplifying 1 gene from a dilution series of enzyme under standard conditions. Cq and melting profiles must be consistent for the test and reference sample with 0.5+/- Cq variance.	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of *E. coli* 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 x 10^{-3} U DNase.	Passed

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BIOLINE A Meridian Life Science® Company	Certificate of Analysis	COA No: CA BB-0004 Version: 02

AccuBuffer 10x For Research Use Only	Storage Conditions: -20°C Lot number: AB-415209 Expiry date: October 2017

Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 800bp was amplified with a dilution series of Accuzyme polymerase, using standard conditions and 35 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of *E. coli* 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 x 10^{-3} U DNase.	Passed

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BIOLINE A Meridian Life Science® Company	Certificate of Analysis	COA No: CA BB-0014
		Version: 02

$MgCl_2$ Solution, 50mM	Storage Conditions:	-20°C
	Lot number:	MG-515106
For Research Use Only	Expiry date:	October 2017

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 *E. coli* 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 x 10^{-3} U DNase.	Passed

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