



Certificate of Analysis

COA No: CA_XBE-0001-3

Version: 02

BIOLASE™ DNA Polymerase

For Research Use Only

Storage Conditions: -20°C

Lot number: BT-818107B

Expiry date: August 2020

Quality Control Parameters

Analysis	Specification	Result
Functional	A 3Kb fragment is amplified with a dilution series of human genomic DNA and a dilution series of enzyme, 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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 <small>A Merck Life Science Company</small>	<h2>Certificate of Analysis</h2>	COA No: CA XBB-0001
		Version: 03

<h1>NH₄ Buffer, 10x</h1> <p>For Research Use Only</p>	Storage Conditions:	-20°C
	Lot number:	NH-818107B
	Expiry date:	August 2020

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. Fragment of size 3000bp is amplified with a dilution series of Lambda DNA template, 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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 <small>A Medtronic Life Sciences Company</small>	Certificate of Analysis	COA No: CA_XBB-0014
		Version: 03

<h2>MgCl₂ Solution, 50mM</h2> Suitable for Research and further Manufacturing Use as an IVD component	Storage Conditions:	-20°C
	Lot number:	MG-2031.003
	Expiry date:	August 2020

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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