



## Certificate of Analysis

COA No: CA\_XBE-0001-2

Version: 03

# MyTaq™ DNA Polymerase

For Research Use Only

Storage Conditions: -20°C

Lot number: MT-818105A

Expiry date: June 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 $2.5 \times 10^{-3}$ U DNase.	Passed

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 <small>A Merck Life Science Company</small>	<h2>Certificate of Analysis</h2>	COA No: CA_XBB-0025
		Version: 03

<h1>MyTaq™ Reaction Buffer</h1> <p>Suitable for Research and further Manufacturing Use as an IVD component</p>	Storage Conditions:	-20°C
	Lot number:	MTB-818105A
	Expiry date:	June 2020

### Quality Control Parameters

Analysis	Specification	Result
Functional	Fragment of size 1200bp was amplified with a dilution series of human genomic DNA, 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 <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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