



## Certificate of Analysis

COA No: CA BMM-0025

Version: 02

### MyTaq Blood PCR Mix

For Research Use Only

Storage Conditions: -20°C

Lot number: MTBX-717106

Expiry date: July 2019

### Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Fragment of size 5Kb was amplified with a dilution series human blood, using standard conditions and 40 cycles. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).</p> <p>A four plex PCR reaction was run using standard conditions, 40 cycles with a dilution series of mix and 35 cycles with a dilution series of human blood. Bands sizes were 1.2Kb, 844bp, 450bp and 237bp. Distinct bands were observed with agarose gel electrophoresis (ethidium stained).</p>	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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