



Certificate of Analysis

COA No: CA BMM-0025

Version: 03

MyTaq Blood PCR Mix

For Research Use Only

Storage Conditions: -20°C

Lot number: MTBX-818208B

Expiry date: September 2020

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 2.5×10^{-3} U DNase. | Passed |

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