



Certificate of Analysis

COA No: CA_BSM-0013

Version: 03

SensiMix™ II Probe Kit

For Research Use Only

Storage Conditions: -20°C

Lot number: SM2-818208A

Expiry date: September 2020

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 genes from a dilution series of mouse cDNA under standard conditions. Cq 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 <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in line with control 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 I.	Passed

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Certificate of Analysis

COA No: CA_BSM-0025

Version: 03

ROX Solution, 25 μ M

For Research Use Only

Storage Conditions: -20°C

Lot number: ROX-718208A

Expiry date: September 2020

Quality Control Parameters

Analysis	Specification	Result
ROX concentration	A fluorescence spectrophotometer is used to quantify the ROX concentration +/- 5% variance.	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 control 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 I.	Passed
RNase contamination	Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection 9.7×10^{-3} ng/ μ L RNase.	Passed

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