meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_BSM-0020-3
		Version: 08

JetSeq™ FAST Hi-ROX Mix

For research or further manufacturing use only

Catalog No:	BIO-68028
Lot No:	NG858-B114690
Storage Conditions:	-20°C
Component Lot No:	JFH-223102A
Expiry date:	March 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	Quantitative PCR analysis amplifying 6 genes from a dilution series of mouse cDNA under standard conditions. Cq and melting 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 E. coli and mouse genomic DNA checked. Test sample must amplify in concordance with control sample.	Passed
DNase contamination	Incubation of a 1 Kb 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 exhibit less degradation than the limit of detection 2.5 x 10 3 U DNase.	Passed

QA / QC Representative:  Andrew Galeeba-M Date: 21st February 2023

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_BMM-0028
		Version: 07

JetSeq™ Primer Mix

For research or further manufacturing use only

Catalog No:	BIO-68028
Lot No:	NG858-B114690
Storage Conditions:	-20°C
Component Lot No:	JPM-323102A
Expiry date:	March 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	JetSeq Primer mix is used in qPCR under standard JetSeq Library Quantification kit conditions to amplify a reference DNA template. The amplification curve analysis should demonstrate an average Ct value of 9.3 ± 0.5 and the melt curve analysis is expected to produce a single peak with a Tm value of 82.3 ± 0.4 °C.	Passed
DNase contamination	The effect of the incubation of JetSeq Primer Mix (4h, 37 °C) with a 1 Kb dsDNA fragment is compared with a dilution series of DNase I on agarose gel electrophoresis. Test sample must exhibit less degradation than 2.5 x 10^{-3} U DNase.	Passed

QA / QC Representative:  Andrew Galeeba-M Date: 21st February 2023

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meridian BIOSCIENCE™	Certificate of Analysis	COA No: CA_XBH-0055, -0056, -0057, -0058, -0059 & -0060
		Version: 07

JetSeq™ Standards

For research or further manufacturing use only

Catalog No:	BIO-68028
Lot No:	NG858-B114690
Storage Conditions:	-20°C
Component Lot No:	JS01-323102A JS02-323102A JS03-323102A JS04-323102A JS05-323102A JS06-323102A
Expiry date:	March 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	JetSeq Standards are used in qPCR under JetSeq Library Quantification kit recommended conditions. The average Ct value of the Standard 1 exhibits 9.3 ± 0.5 and the measured efficiency of the reaction should be between 90 – 100 %. The melt analysis should produce a single peak.	Passed
DNase contamination	The effect of the incubation of JetSeq Standards (4h, 37 °C) with a 1 Kb dsDNA fragment is compared with a dilution series of DNase I on agarose gel electrophoresis. Test sample must exhibit less degradation than 2.5 x 10-3 U DNase.	Passed

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meridian BIOSCIENCE	Certificate of Analysis	COA No: CA_BDB-0024
		Version: 09

JetSeq™ Dilution Buffer

For research or further manufacturing use only

Catalog No:	BIO-68028
Lot No:	NG858-B114690
Storage Conditions:	-20°C
Component Lot No.	JDB-323102A
Expiry date:	March 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	The DNA melting property of the JetSeq™ Dilution Buffer was controlled by qPCR under standard JetSeq Quantification kit conditions. The resulting melting profile should show only one major melting peak with an expected Tm value of 82.3 ± 0.4 °C.	Passed
DNase contamination	The effect of the incubation of JetSeq™ Dilution Buffer (4h, 37 °C) with a 1 Kb dsDNA fragment is compared with a dilution series of DNase I on agarose gel electrophoresis. Test sample must exhibit less degradation than 2.5 x 10^{-3} U DNase.	Passed

QA / QC Representative:  Andrew Galeeba-M Date: 21st February 2023

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