BIOLINE	**Certificate of Analysis**	**COA No: CA_BSM-0021-3**
		Version: 01

JetSeq FAST Lo-ROX Mix	Storage Conditions:	-20°C
	Lot number:	JFL-717106
For Research Use Only	Expiry date:	July 2019

Quality Control Parameters

Description	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

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BIOLINE	**Certificate of Analysis**	**COA No: CA_BMM-0028**
		Version: 01

JetSeq Primer Mix	Storage Conditions:	-20°C
	Lot number:	JPM-717406
For Research Use Only	Expiry date:	July 2019

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

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BIOLINE	**Certificate of Analysis**	**COA No: CA_BH-0055, -0056, -0057, -0058, -0059 & -0060** **Version: 01**

JetSeq Standards For Research Use Only	Storage Conditions:	-20°C
	Lot number:	JS01-717203 JS02-717203 JS03-717203 JS04-717203 JS05-717203 JS06-717203
	Expiry date:	July 2019

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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BIOLINE	**Certificate of Analysis**	**COA No: CA_BDB-0024**
		Version: 01

JetSeq Dilution Buffer	Storage Conditions:	-20°C
	Lot number:	JDB-717106
For Research Use Only	Expiry date:	July 2019

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

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