

	Certificate of Analysis	COA No: CA_BSM-0021-3
		Version: 04

JetSeq FAST Lo-ROX Mix Suitable for Research and further Manufacturing Use as an IVD component	Catalog No:	MDX039
	Lot No:	CP052-B086130
	Shipping / Storage Conditions:	-20°C
	Component Lot No:	JFL-020208B
	Expiry date:	September 2022

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 2.5×10^3 U DNase.	Passed

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	Certificate of Analysis	COA No: CA_BMM-0028
		Version: 04

JetSeq Primer Mix Suitable for Research and further Manufacturing Use as an IVD component	Catalog No:	MDX039
	Lot No:	CP052-B086130
	Shipping / Storage Conditions:	-20°C
	Component Lot No:	JPM-020108C
	Expiry date:	September 2022

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 T_m 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 2.5×10^{-3} U DNase.	Passed

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	Certificate of Analysis	COA No: CA_XBH-0055, -0056, -0057, -0058, -0059 & -0060
		Version: 04

JetSeq Standards Suitable for Research and further Manufacturing Use as an IVD component	Catalog No: MDX039
	Lot No: CP052-B086130
	Shipping / Storage Conditions: -20°C
	Component Lot No: JS01-020108A JS02-020108A JS03-020108A JS04-020108A JS05-020108A JS06-020108A
	Expiry date: September 2022

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 2.5×10^{-3} U DNase.	Passed

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JetSeq Dilution Buffer

Suitable for Research and further Manufacturing Use as an IVD component

Catalog No:	MDX039
Lot No:	CP052-B086130
Shipping / Storage Conditions:	-20°C
Component Lot No.	JDB-020208A
Expiry date:	September 2022

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 T _m 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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