

Laboratory Lifetech Service Laboratory, 372, Udyog Vihar, Phase-II, Gurgaon, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7881

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Validity 26.09.2018 to 25.09.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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BIOLOGICAL TESTING

I.	MOLECULAR ANALYSIS			
1.	Plasmid DNA, Human, Rodent, Plant DNA, PCR Products, Fungal and Bacterial DNA	DNA Sequencing Analysis 16s rDNA Analysis	Big Dye Terminator Sequencing- LSL-GA-SOP-11, Issue No- 01, Issue Date- 22 May 2013 to LSL-GA-SOP-17, Issue No- 01, Issue Date- 22 May 2013	100bp-800bp QV>20
2.	Human, Rodent and Plant gDNA, PCR Products	Fragment Analysis using Capillary Electrophoresis	Microsatellite Analysis and SNP Genotyping- LSL-GA-SOP-18, Issue No- 01, Issue Date- 22 May 2013 to LSL-GA-SOP-21, Issue No- 01, Issue Date- 22 May 2013	Sizing and Genotyping within 15 bp to 500 bp
3.	Human, Rodent, Plant gDNA , cDNA, RNA	Absolute Quantitation by Real Time PCR	Real Time PCR- LSL-SDS-SOP-22, Issue No- 01, Issue Date- 22 May 2013 LSL-SDS-SOP-23, Issue No- 01, Issue Date- 22 May 2013 LSL-SDS-SOP-25, Issue No- 01, Issue Date- 22 May 2013	Linear Dynamic range 9 logs Limit of Detection 2 copies. Detection >1.5 fold
4.	Human, Rodent, Plant RNA, cDNA , miRNA	Gene Expression Analysis by Real Time PCR	Real Time PCR- LSL-SDS-SOP-24, Issue No- 01, Issue Date- 22 May 2013	Linear Dynamic range 9 logs Limit of Detection 2 copies.

Nitin Gupta
Convenor

Alok Jain
Program Manager

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			LSL-SDS-SOP-25, Issue No- 01, Issue Date- 22 May 2013 LSL-SDS-SOP-26, Issue No- 01, Issue Date- 22 May 2013	Detection >1.5 fold
5.	Human, Rodent, Plant, Bacterial, Viral, DNA , RNA, cDNA, PCR Products	Next Generation Sequencing by Semiconductor based sequencing	Fragment Sequencing on Ion Torrent- LSL-NA-SOP-08, Issue No- 01, Issue Date- 22 May 2013 LSL-NA-SOP-10, Issue No- 01, Issue Date- 22 May 2013 LSL-IA-SOP-27, Issue No- 01, Issue Date- 22 May 2013 Amplicon Sequencing on Ion Torrent- LSL-IA-SOP-28, Issue No- 01, Issue Date- 22 May 2013 LSL-IA-SOP-29, Issue No- 01, Issue Date- 22 May 2013 LSL-IA-SOP-33, Issue No- 01, Issue Date- 22 May 2013 Targeted Sequencing on Ion Torrent- LSL-NA-SOP-08, Issue No- 01, Issue Date- 22 May 2013 to LSL-NA-SOP-10, Issue No- 01, Issue Date- 22	10MB-10GB sequence

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			May 2013 LSL-IA-SOP-30, Issue No-01, Issue Date- 22 May 2013	
			Paired End Sequencing on Ion Torrent- LSL-NA-SOP-08, Issue No- 01, Issue Date- 22 May 2013 to LSL-NA-SOP-10, Issue No- 01, Issue Date- 22 May 2013 LSL-IA-SOP-36, Issue No-01, Issue Date- 22 May 2013 Mate Paired Sequencing on Ion Torrent- LSL-NA-SOP-08, Issue No- 01, Issue Date- 22 May 2013 LSL-NA-SOP-10, Issue No- 01, Issue Date- 22 May 2013 LSL-IA-SOP-37, Issue No-01, Issue Date- 22 May 2013 ChIP Sequencing on Ion Torrent- LSL-NA-SOP-08, Issue No- 01, Issue Date- 22 May 2013 LSL-NA-SOP-10, Issue No- 01, Issue Date- 22	

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			May 2013 LSL-IA-SOP-32, Issue No-01, Issue Date- 22 May 2013 RNA sequencing on Ion Proton- LSL-NA-SOP-08, Issue No- 01, Issue Date- 22 May 2013 LSL-NA-SOP-10, Issue No- 01, Issue Date- 22 May 2013 LSL-PA-SOP-39, Issue No-01, Issue Date- 22 May 2013 Exome Sequencing on Ion Proton- LSL-PA-SOP-38, Issue No-01, Issue Date- 22 May 2013 LSL-PA-SOP-40, Issue No-01, Issue Date- 22 May 2013	

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