



DIRECTORY OF SERVICES - ONCOGENETICS

FY-2019-2020

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Hematopoietic and Lymphoid Malignancies

Acute Lymphoblastic Leukemia (ALL)

ACUTE LYMPHOBLASTIC LEUKEMIA TESTS/PANELS								
S.No.	Lilac Code	Panel Name	Methodology	Specimen Requirements	Tests/Markers	TAT	MRP	
1	LI0005	Oncoinsights™ Cytogetic panel B-ALL	Ploidy Analysis + FISH	BMA 3-5ml in sodium heparin tube	Ploidy Analysis FISH: <i>BCR-ABL1</i> , <i>ETV6-RUNX1</i> , t(1;19)(<i>PBX1-TCF3</i>), <i>KMT2A(MLL)</i> translocation[t(9;11), t(11;19), t(4;11)], +4, +10, +17	8-10 working days	Rs. 18000/-	
2	LI0015	Oncoinsights™ FISH panel B-ALL	FISH	BMA/PB 3-5ml in sodium heparin tube	FISH: <i>BCR-ABL1</i> , <i>ETV6-RUNX1</i> , t(1;19) <i>PBX1-TCF3</i> , <i>KMT2A(MLL)</i> translocation[t(9;11), t(11;19), t(4;11)], +4, +10, +17	5 working days	Rs. 14000/-	
3	LI0016	Oncoinsights™ FISH panel T-ALL	FISH	BMA/PB 3-5ml in sodium heparin tube	FISH: del(9p21), <i>KMT2A(MLL)</i> translocation, <i>TCR-A/D</i> (14q11) translocation, <i>TCR-B</i> (7q34) translocation, <i>TLX1</i> (10q24) translocation, <i>TLX3</i> (5q35)translocation/rearrangement	5 working days	Rs. 14000/-	
4	LI0017	Oncoinsights™ FISH panel Ph1 like B-ALL	FISH	BMA/PB 3-5ml in sodium heparin tube	FISH: <i>ABL1</i> (9q34) translocation/rearrangement, <i>ABL2</i> (1q25)translocation/rearrangement, <i>PDGFRB</i> (5q33) translocation/rearrangement	5 working days	Rs. 10000/-	
5	LI0020	Oncoinsights™ FISH panel T-PLL	FISH	BMA/PB 3-5ml in sodium heparin tube	FISH: <i>TCR-A/D</i> (14q11) translocation, i(8q), +8	5 working days	Rs. 10000/-	
6	LI0155	Molecular Panel for B-ALL	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular: <i>BCR-ABL1</i> RT-qPCR for p210 & p190, <i>ABL1</i> kinase domain mutation (sequencing)	7 working days	Rs.17000/-	
7	LI0131	Molecular Panel for ETP-ALL	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular: <i>FLT3</i> -ITD and <i>FLT3</i> -D835	3 working days	Rs. 6000/-	

FLOW CYTOMETRY TESTS/PANELS								
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP	
8	LI0126	Flow Cytometry Panel for Leukemia	Flow Cytometry	BMA/PB 3-5 ml in Sodium Heparin /EDTA tube	Flow Cytometry Panel for Leukemia	1-2 working days	Rs. 13000/-	
9	LI0218	Flow Cytometry MRD for Leukemia - B-ALL	Flow Cytometry	BMA/PB in 3-5 ml of Sodium Heparin/EDTA Tube	Flow Cytometry MRD for Leukemia - B- ALL	1-2 working days	Rs. 13000/-	

Note: In-case of drytap bone marrow we accept bone marrow smear slides for FISH Analysis.

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Acute Myeloid Leukemia (AML)

ACUTE MYELOID LEUKEMIA TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Specimen Requirements	Tests/Markers	TAT	MRP
1	LI0168	Oncoinsights™ Combi-Panel AML New	CK + FISH + Molecular	BMA 3-5 ml in Sodium Heparin tube + 3-5 ml in EDTA tube	Conventional Karyotyping FISH: t(8;21), inv(16), <i>BCR-ABL1</i> , <i>KMT2A(MLL)</i> translocation[t(9;11), t(11;19), t(4;11), t(6;11)], -5/del(5q), -7/del(7q), +8, 3q26(<i>EV11</i>) translocation, del(17p) Molecular: <i>FLT3</i> (ITD) by ASO-PCR, <i>CEBPA</i> mutation, <i>NPM1</i> mutation by sequencing	8-10 working days	Rs.28000/-
2	LI0004	Oncoinsights™ Cytogenetic Panel AML	CK + FISH	BMA/PB 3-5ml in sodium heparin tube	Conventional Karyotyping FISH: t(8;21), inv(16), <i>BCR-ABL1</i> , <i>KMT2A(MLL)</i> translocation[t(9;11), t(11;19), t(4;11), t(6;11)], -5/del(5q), -7/del(7q), +8, 3q26(<i>EV11</i>) translocation, del(17p)	8-10 working days	Rs.18000/-
3	LI0011	Oncoinsights™ FISH Panel AML	FISH	BMA 3-5ml in sodium heparin tube	FISH: t(8;21), inv(16), <i>BCR-ABL1</i> , <i>KMT2A(MLL)</i> translocation[t(9;11), t(11;19), t(4;11), t(6;11)], -5/del(5q), -7/del(7q), +8, 3q26(<i>EV11</i>) translocation, del(17p)	5 working days	Rs.14000/-
4	LI0134	Molecular Panel AML	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular: <i>FLT3</i> (ITD) by ASO-PCR, <i>CEBPA</i> mutation, <i>NPM1</i> mutation by sequencing	3 working days	Rs.14000/-
5	LI0137	<i>KIT</i> Molecular Panel AML	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular: <i>KIT</i> (exon 17)(PCR) and <i>KIT</i> (exon 8) mutation (sequencing)	5 working days	Rs.10000/-
6	LI0131	<i>FLT3</i> Molecular Panel AML	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular: <i>FLT3</i> -ITD and <i>FLT3</i> -D835	3 working days	Rs.6000/-
7	LI0223	Oncoinsights™ Extended Molecular Panel AML New	Molecular	BMA/PB of 3-5 ml in 1 EDTA tube	Molecular: <i>FLT3</i> -ITD & TKD, <i>NPM1</i> , <i>CEBPA</i> , <i>ASXL1</i> , <i>DNMT3A</i> , <i>IDH1</i> & <i>IDH2</i> , <i>TP53</i> mutations sequencing	7 working days	Rs.25000/-

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Acute Promyelocytic Leukemia (APL)

ACUTE PROMYELOCYTIC LEUKEMIA (APL) TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Panels/Markers	TAT	MRP
1	LI0010	FISH APL or FISH for APML	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH <i>PML-RARA</i> t(15;17)	3 working days	Rs. 5000/-
2	LI0138	Qualitative Analysis for <i>PML-RARA</i>	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular <i>PML-RARA</i> transcript analysis (qualitative)	4 working days	Rs. 6000/-
3	LI0153	RT- qPCR for <i>PML-RARA</i> transcript quantitative analysis	Molecular	BMA/PB 5-7ml in EDTA tube	Molecular <i>PML-RARA</i> transcript copies RT-qPCR (<i>BCR1</i> , <i>BCR2</i> & <i>BCR3</i>)	5 working days	Rs. 18000/-
4	LI0202	RT- qPCR for <i>PML-RARA</i> transcript quantitative analysis (<i>BCR1</i>)	Molecular	BMA/PB 5-7ml in EDTA tube	Molecular <i>PML-RARA</i> transcript copies RT-qPCR (<i>BCR1</i>)	5 working days	Rs. 6800/-
5	LI0203	RT- qPCR for <i>PML-RARA</i> transcript quantitative analysis (<i>BCR3</i>)	Molecular	BMA/PB 5-7ml in EDTA tube	Molecular <i>PML-RARA</i> transcript copies RT-qPCR (<i>BCR3</i>)	5 working days	Rs. 6800/-

LEUKEMIA FLOW CYTOMETRY TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
6	LI0126	Flow Cytometry Panel for Leukemia	Flow Cytometry	BMA/PB 3-5 ml in Sodium Heparin /EDTA tube	Flow Cytometry Panel for Leukemia	1-2 working days	Rs. 13000/-

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B-Cell Lymphoma and T-Cell Lymphoma

B-CELL AND T-CELL LYMPHOMA TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Specimen Requirement	Tests/Markers	TAT	MRP
1	LI0023	FISH for IGH Translocation (FFPE Block)	FISH	FFPE Tissue Block	FISH: IGH Translocation	7 days	Rs. 7000/-
2	LI0024	FISH for IGH Translocation (BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: IGH Translocation	5 days	Rs. 5000/-
3	LI0025	FISH for Mantle Cell Lymphoma (MCL) (FFPE Block)	FISH	FFPE Tissue Block	FISH: t(11;14)(IGH/CCND1)	7 days	Rs. 7000/-
4	LI0026	FISH for Mantle Cell Lymphoma (MCL) (BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(11;14)(IGH/CCND1)	5 days	Rs. 5000/-
5	LI0027	FISH for Follicular Lymphoma (FL)(FFPE Block)	FISH	FFPE Tissue Block	FISH: t(14;18)(IGH/BCL2)	7 days	Rs. 7000/-
6	LI0028	FISH for Follicular Lymphoma (FL) (BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(14;18)(IGH/BCL2)	5 days	Rs. 5000/-
7	LI0029	FISH for Burkitt Lymphoma (FFPE Block)	FISH	FFPE Tissue Block	FISH: MYC(8q24) translocation	7 days	Rs. 7000/-
8	LI0030	FISH for Burkitt Lymphoma(BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: MYC(8q24) translocation	5 days	Rs. 5000/-
9	LI0031	FISH for Diffused Large B-cell Lymphoma (DLBCL)(FFPE block)	FISH	FFPE Tissue Block	FISH: t(14;18)(IGH/BCL2), t(3q27)(BCL6 rearrangement)	7 days	Rs. 13000/-
10	LI0032	FISH for Diffused Large B-cell Lymphoma (DLBCL)(BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(14;18)(IGH/BCL2), t(3q27)(BCL6 rearrangement)	5 days	Rs. 9000/-
11	LI0033	FISH for Dual Hit Lymphoma (High Grade B-cell Lymphoma)(FFPE Block)	FISH	FFPE Tissue Block	FISH: t(14;18)(IGH/BCL2), MYC(8q24) translocation	7 days	Rs. 13000/-
12	LI0034	FISH for Dual Hit Lymphoma (High Grade B-cell Lymphoma)(BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(14;18)(IGH/BCL2), MYC(8q24) translocation	5 days	Rs. 9000/-

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B-CELL AND T-CELL LYMPHOMA TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
13	LI0035	FISH Panel for Triple Hit Lymphoma (High Grade B-cell Lymphoma)(FFPE Block)	FISH	FFPE Tissue Block	FISH: t(14;18)(IGH/BCL2), MYC(8q24) translocation, t(3q27)(BCL6 rearrangement)	7 days	Rs. 18000/-
14	LI0036	FISH Panel for Triple Hit Lymphoma (High Grade B-cell Lymphoma)(BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(14;18)(IGH/BCL2), MYC(8q24) translocation, t(3q27)(BCL6 rearrangement)	5 days	Rs. 13000/-
15	LI0037	FISH for MALT Lymphoma(FFPE Block)	FISH	FFPE Block	FISH: t(11;18)(MALT1) translocation , t(14;18)(IGH/MALT1), t(3q27)(BCL6 rearrangement)	7 days	Rs. 13000/-
16	LI0038	FISH for MALT Lymphoma(BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(11;18)(MALT1) translocation , t(14;18)(IGH/MALT1), t(3q27)(BCL6 rearrangement)	5 days	Rs. 9000/-
17	LI0039	FISH for Lymphoma B-Cell (FFPE Block)	FISH	FFPE Block	FISH: t(11;14)(IGH/CCND1), t(14;18)(IGH/BCL2), MYC(8q24) translocation, t(3q27)(BCL6 rearrangement)	7 days	Rs. 15000/-
18	LI0040	FISH for Lymphoma B-Cell (BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: t(11;14)(IGH/CCND1), t(14;18)(IGH/BCL2), MYC(8q24) translocation, t(3q27)(BCL6 rearrangement)	5 days	Rs. 10000/-
19	LI0041	FISH for Lymphoma T-Cell (FFPE Block)	FISH	FFPE Block	FISH: 2p23(ALK) translocation, i(7q), +8	7 days	Rs. 13000/-
20	LI0042	FISH for Lymphoma T-Cell(BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: 2p23(ALK) translocation, i(7q), +8	5 days	Rs. 9000/-
21	LI0043	Oncoinsights™ FISH Panel Hepatosplenic γ, δ T-cell Lymphoma (FFPE Block)	FISH	FFPE Block	FISH: i(7q), +8	7 days	Rs. 10000/-
22	LI0044	Oncoinsights™ FISH Panel Hepatosplenic γ, δ T-cell Lymphoma (BMA/PB)	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH: i(7q), +8	5 days	Rs. 7000/-
23	LI0127	Flow Cytometry Panel for Lymphoma	Flow Cytometry	BMA/PB 3-5ml in Sodium Heparin/EDTA tube	Flow Cytometry Panel for Lymphoma	1- 2 days	Rs. 13000/-

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Chronic Eosinophilic Leukemia(CEL)

Chronic Eosinophilic Leukemia (CEL) TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Test Panel	TAT	MRP
1	LI0014	Oncoinsights™ FISH Panel CEL	FISH	BMA 3-5 ml in Sodium Heparin tube	FISH ; <i>PDGFRA</i> (4q12) translocation with <i>CHIC2</i> deletion, <i>PDGFRB</i> (5q33) rearrangement, <i>FGFR1</i> (8p12) rearrangement	5 working days	Rs. 10000/-

Chronic Lymphocytic Leukemia(CLL)

Chronic Lymphocytic Leukemia (CLL) TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0170	Oncoinsights™ Combi- Panel CLL New	CK + FISH + Molecular	BMA/PB 3-5 ml in Sodium Heparin tube and EDTA tube	Conventional Karyotyping by B-Cell Mitogen stimulation FISH del(13q), del(11q22), del(6q23), del(17p13), +12, t(11;14) Molecular <i>IGHV</i> mutations , <i>TP53</i> (exons 4-9) (sequencing)	7-10 working days	Rs. 32500/-
2	LI0006	Oncoinsights™ Cytogetic Panel CLL	CK + FISH	BMA/PB 3-5 ml in Sodium Heparin tube	Conventional Karyotyping by B-Cell Mitogen Stimulation FISH del(13q), del(11q22), del(6q23), del(17p13), +12, t(11;14)	8-10 working days	Rs. 18000/-
3	LI0018	Oncoinsights™ FISH Panel CLL	FISH	BMA/PB 3-5 ml in Sodium Heparin tube	FISH del(13q), del(11q22), del(6q23), del(17p13), +12, t(11;14)	5 working days	Rs. 14000/-
4	LI0161	Oncoinsights™ Molecular Panel CLL	Molecular	BMA/PB 3-5 ml in EDTA tube	Molecular <i>NOTCH1</i> mutation(p2514Fs*4)(PCR), <i>TP53</i> (exons 4-9) sequencing	10 working days	Rs. 16000/-
5	LI0215	Oncoinsights™ Molecular Panel CLL(IGHV&TP53) New	Molecular	BMA/PB 3-5 ml in EDTA tube	Molecular <i>IGHV</i> mutations, <i>TP53</i> (exons 4-9) sequencing	10 working days	Rs. 16000/-

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FLOW CYTOMETRY FOR LEUKEMIA TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
6	LI0126	Flow Cytometry Panel for Leukemia	Flow Cytometry	BMA/PB 3-5 ml in Sodium Heparin /EDTA tube	Flow Cytometry Panel for Leukemia	1-2 working days	Rs. 13000/-

Chronic Myeloid Leukemia (CML)

CHRONIC MYELOID LEUKEMIA TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Specimen Requirements	Tests/Markers	TAT	MRP
1	LI0211	Oncoinsights™ Combi Panel CML New	CK + FISH + Molecular	BMA 3-5 ml in Sodium Heparin tube and 5-7 ml PB in EDTA tube	Conventional Karyotyping FISH <i>BCR-ABL1</i> Molecular <i>BCR-ABL1</i> RT-qPCR for p210(IS)	7 working days	Rs. 16000/-
2	LI0001	Cytogenetic Panel CML Chronic Phase CP	CK + FISH	BMA 3-5 ml in Sodium Heparin tube	Conventional Karyotyping FISH <i>BCR-ABL1</i>	7 working days	Rs. 10000/-
3	LI0002	Oncoinsights™ Cytogenetic Panel CML Blast Phase BP	CK + FISH	BMA 3-5 ml in Sodium Heparin tube	Conventional Karyotyping FISH <i>BCR-ABL1</i> , +8, +19, +21, del(17p)	8-10 working days	Rs. 15000/-
4	LI0008	FISH for CML Chronic Phase CP	FISH	BMA 3-5 ml in Sodium Heparin tube	FISH <i>BCR-ABL1</i>	5 working days	Rs. 5000/-
5	LI0009	Oncoinsights™ FISH Panel CML Blast Phase BP	FISH	BMA 3-5 ml in Sodium Heparin tube	FISH <i>BCR-ABL1</i> , +8, +19, +21, del(17p)	5 working days	Rs. 10000/-
6	LI00152	Molecular Panel for CML	Molecular	BMA/PB 3-5 ml in EDTA tube	Molecular <i>BCR-ABL1</i> RT-qPCR for p210(IS), <i>ABL1</i> Kinase domain mutation	7 working days	Rs.17000/-

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CHRONIC MYELOID LEUKEMIA TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
7	LI0150	RT-qPCR for <i>BCR-ABL1</i> transcript copies(IS), Quantitative Analysis	Molecular	BMA/PB 5-7 ml in EDTA tube	Molecular <i>BCR-ABL1</i> RT-qPCR for p210(IS)	4 working days	Rs. 7500/-
8	LI0148	<i>ABL1</i> Kinase domain mutation	Molecular	BMA/PB 3-5 ml in EDTA tube	Molecular <i>ABL1</i> Kinase domain mutation	7 working days	Rs. 10000/-
9	LI0151	<i>BCR-ABL1</i> Qualitative Analysis	Molecular	BMA/PB 3-5 ml in EDTA tube	Molecular <i>BCR-ABL1</i> transcript by breakpoint analysis (qualitative PCR)	4 working days	Rs. 4500/-
10	LI0113	Conventional Karyotyping for CML-CP/BP	Conventional Karyotyping	BMA in 3-5 ml of Sodium Heparin	Conventional Karyotyping fo CML-CP/BP	5-7 working days	Rs. 5000/-
11	LI0126	Flow Cytometry Panel for Leukemia	Flow Cytometry	BMA/PB 3-5 ml in sodium heparin/ EDTA tube	Flow Cytometry Panel for Leukemia	1-2 working days	Rs. 13000/-

Note: In-case of Dry tap bone marrow, we accept bone marrow smear slides for the FISH analysis.

Conventional Karyotyping, Constitutional Karyotyping, Cell line Karyotyping, Chromosomal Breakage studies

CONVENTIONAL KARYOTYPING, CONSTITUTIONAL KARYOTYPING, CELL LINE KARYOTYPING, CHROMOSOMAL BREAKAGE STUDIES TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0112	Conventional Karyotyping	Conventional Karyotyping	BMA 3-5 ml in Sodium Heparin tube	Conventional Karyotyping	5-7 working days	Rs. 5000/-
2	LI0123	Constitutional Karyotyping	Conventional Karyotyping	BMA/PB 3-5 ml in Sodium Heparin tube	Constitutional Karyotyping	8-10 working days	Rs. 5000/-
3	LI0124	Oncoinsights™ Cell Line Karyotyping	Conventional Karyotyping	Suspension/ Monolayer Culture	Cell line Karyotyping	15 working days	Rs. 20000/-
4	LI0125	Oncoinsights™ Chromosomal Breakage studies in Fanconi's Anemia/Aplastic Anemia	Chromosomal Breakage Studies	PB 5-7 ml of patient and 5-7ml PB of unrelated age-sex matched control in Sodium Heparin tube	Chromosomal Breakage studies	8-10 working days	Rs. 10000/-

Hairy cell leukemia

HAIRY CELL LEUKEMIA TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0021	Oncoinsights™ FISH panel HCL	FISH	BMA 3-5 ml in Sodium Heparin tube	FISH <i>IGH, TCR-A/D</i> (14q11) translocation, -7/del(7q)	5 working days	Rs. 10000/-
2	LI0149	Molecular test HCL (BRAF V600E mutation)	Molecular	BMA/PB 3-5 ml in EDTA tube	Molecular <i>BRAF</i> V600E mutation(ASO-PCR)	6 working days	Rs. 6000/-
3	LI0126	Flow Cytometry panel for Leukemia	Flow Cytometry	BMA/PB 3-5 ml in Sodium Heparin /EDTA tube	Flow Cytometry Panel for Leukemia	1-2 working days	Rs. 13000/-

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Multiple Myeloma

MULTIPLE MYELOMA TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0216	Oncoinsights™ Cytogenetic panel(MM) Multiple Myeloma New	FISH +CK	BMA 5-6ml in Sodium Heparin tube	Conventional Karyotyping FISH del(17p), -13/del(13q), del(1p), Amp(1q), <i>IGH</i> translocation , t(11;14), t(4;14), t(14;16), t(14;20), t(6;14), +3, +7, +9, +15 (hyperdiploidy)	8-10 working days	Rs. 23000/-
2	LI0019	Oncoinsights™ FISH Panel MM Multiple Myeloma	FISH	BMA 5-6ml in Sodium Heparin tube	FISH del(17p), -13/del(13q), del(1p), Amp(1q), <i>IGH</i> translocation , t(11;14), t(4;14), t(14;16), t(14;20), t(6;14), +3, +7, +9, +15 (hyperdiploidy)	5 working days	Rs. 18000/-
3	LI0221	MYD88(L265P) New	Molecular	BMA 3-5ml in EDTA tube	Molecular MYD88 (L265P)	6 working days	Rs. 6000/-

FLOW CYTOMETRY FOR MULTIPLE MYELOMA TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
4	LI0128	Flow Cytometry Panel for Myeloma	Flow Cytometry	BMA/PB 3-5 ml in Sodium Heparin/ EDTA tube	Flow Cytometry Panel for Multiple Myeloma	1-2 working days	Rs. 13000/-

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Myelodysplastic Syndromes/Myeloproliferative Neoplasms/Myeloproliferative Disorders

MYELOYDYSPLASTIC SYNDROMES TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0169	Oncoinsights™ Combi-panel MDS New	Karyotyping FISH Molecular	BMA 3-5ml in Sodium Heparin tube + 3-5ml in EDTA tube	Conventional Karyotyping FISH -5/del(5q), -7/del(7q), +8,del(20q), del(17p) Molecular ASXL1, DNMT3A, TP53 (exons 4-9)	8-10 working days	Rs. 25500/-
2	LI0003	Oncoinsights™ Cytogenetic panel MDS	Karyotyping FISH	BMA 3-5ml in Sodium Heparin tube	Conventional Karyotyping FISH -5/del(5q), -7/del(7q), +8,del(20q), del(17p)	8-10 working days	Rs. 15000/-
3	LI0012	Oncoinsights™ FISH panel MDS	FISH	BMA 3-5ml in Sodium Heparin tube	FISH -5/del(5q), -7/del(7q), +8,del(20q), del(17p)	5 working days	Rs. 10000/-
4	LI0160	Oncoinsights™ Molecular panel MDS New	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular ASXL1, DNMT3A, TP53 by sequencing	10 working days	Rs.18000/-

MYELOPROLIFERATIVE NEOPLASMS/MYELOPROLIFERATIVE DISORDERS TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers Panel	TAT	MRP
1	LI0013	Oncoinsights™ FISH panel MPN/MPD	FISH	BMA/PB 3-5ml in Sodium Heparin tube	FISH -7/del(7q), +8, del(20q), PDGFRA(4q12) rearrangement with CHIC2 deletion, PDGFRB (5q33) rearrangement	5 working days	Rs. 10000/-
2	LI0143	JAK2 Reflex Panel MPN/MPD	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular JAK2 V617F mutation (ASO-PCR) and JAK2 (exon12) by sequencing	5 working days	Rs. 7000/-
3	LI0145	Molecular Panel MPN/MPD JAK2 V617F, MPL & CALR	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular JAK2 V617F, MPL W515 mutation (ASO-PCR), CALR (exon 9) (sequencing)	5 working days	Rs. 12000/-
4	LI0157	Molecular Panel MPN/MPD JAK2 Exon 12, MPL & CALR	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular JAK2(exon 12), MPL W515 mutation (ASO-PCR), CALR (exon 9) (sequencing)	5 working days	Rs. 12000/-
5	LI0212	Oncoinsights™ Molecular Panel MPN/MPD JAK2 reflex, MPL & CALR New	Molecular	BMA/PB 3-5ml in EDTA tube	Molecular JAK2 V617F, JAK2 (exon 12), MPL W515 mutation (ASO-PCR), CALR (exon 9) (sequencing)	5 working days	Rs. 15000/-


■ Green Colour - Cytogenetic Studies

■ Purple Colour - Molecular Genetic Studies

Post-Bone Marrow Transplant Analysis

POST-BONE MARROW TRANSPLANT ANALYSIS TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0007	Post Sex-mismatched Bone marrow transplant monitoring	CK + FISH	BMA 3-5 ml in Sodium Heparin tube	Conventional Karyotyping FISH XX/XY	5 working days	Rs. 10000/-
2	LI0022	Sex-mismatched Bone Marrow transplant monitoring	FISH	BMA 3-5 ml in Sodium Heparin tube	FISH XX/XY	5 working days	Rs. 5000/-
3	LI0121	Post- BMT Case (Bone Marrow Transplant)	Conventional Karyotyping	BMA 3-5 ml in Sodium Heparin tube	Conventional Karyotyping	8-10 working days	Rs. 5000/-

 Green Colour - Cytogenetic Studies



Solid Tumors



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Bladder Cancer and Brain Tumors/Neurological Cancers/Neuroblastoma


BLADDER CANCER AND BRAIN TUMORS/NEUROLOGICAL CANCERS/NEUROBLASTOMA TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0058	FISH panel Bladder Cancer (Urothelial Carcinoma)	FISH	Urine in Sterile Container without any additives	FISH: Aneuploidy of chromosome 3, 7, 17, & del(9p)	5 working days	Rs. 13000/-
2	LI0051	FISH panel Brain tumors/Neurological Cancers	FISH	FFPE Tissue	FISH: 1p36 deletion, 19q13 deletion	7 working days	Rs. 14000/-
3	LI0050	FISH panel Neuroblastoma	FISH	FFPE Tissue	FISH: <i>MYCN</i> Amplification, 1p36 deletion	7 working days	Rs. 18000/-

Breast Cancer

BREAST CANCER TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0045	FISH for ERBB2(HER2/Neu) Breast Cancer	FISH	FFPE Tissue	FISH ERBB2(HER2/neu) Amplification	7 working days	Rs. 10000/-
2	LI0219	Oncoinsights™ FISH NTRK3 & ETV6 Translocation ^{New} Breast Cancer	FISH	FFPE Tissue	FISH NTRK3 & ETV6 Translocation	7 working days	Rs. 14000/-
3	LI0173	NGS panel - Breast Cancer Tissue Specific Test	NGS	FFPE Tissue	NGS Breast Tissue Specific Test	12 working days	Rs. 14990/-
4	LI0174	NGS-IHC panel Breast Cancer Tissue Specific Test	NGS + IHC	FFPE tissue	NGS Breast Tissue Specific Test IHC3 standard markers	12 working days	Rs. 16990/-
5	LI0181	Extended NGS panel Breast Cancer Tissue Specific Test	NGS	FFPE tissue	NGS Breast Tissue Specific Test – Extended	15-20 working days	Rs. 25000/-
6	LI0190	Individual Marker	Sequencing	3ml – 5ml of Peripheral Blood In EDTA	BRCA1 or BRCA2 or MLH1 or MSH2 or RB1	20-25 working days	Rs. 4000/-
7	LI0184	Germline Panel Test by NGS	NGS	3ml – 5ml of Peripheral Blood In 2 tubes of EDTA	BRCA1, BRCA2 and TP53 Deletion along with ACMG recommended genes	15-20 working days	Rs. 22500/-
8	LI0185	Germline 3 Panel test by NGS	NGS	3ml – 5ml of Peripheral Blood in 2 tubes of EDTA	BRCA1, BRCA2 and TP53 deletion	15-20 working days	Rs. 17500/-
9	LI0178	56 gene test	Molecular	FFPE Block	56 Genes	15-20 working days	Rs. 40000/-
10	LI0179	Liquid Biopsy 56 gene test	Molecular	10ml of Peripheral Blood in 2 Streck Tubes	56 Genes	15-20 working days	Rs. 40000/-
11	LI0180	152 gene test by NGS	NGS	FFPE Block	152 Genes	30-40 working days	Rs. 75000/-
12	LI0189	Mutation Specific Test	Sequencing	FFPE Block	Mutation specific Test	20-25 working days	Rs. 5000/-
13	LI0204	NTRK 3 Translocation	FISH	FFPE tissue	NTRK 3 Translocation	5 working days	Rs. 7000/-
14	LI0205	ETV 6 Translocation	FISH	FFPE tissue	ETV 6 Translocation	5 working days	Rs. 7000/-

 Green Colour - Cytogenetic Studies

 Brown Colour - IHC standard markers

 Light Purple Colour - NGS

Colorectal Cancer

COLORECTAL CANCER TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0163	Molecular Panel test for Colorectal Cancer	Molecular	FFPE Tissue block	Molecular KRAS (exon 2, 3) mutations (sequencing)	6 working days	Rs. 8000/-
2	LI0176	Colon Tissue Specific Test by NGS Colorectal Cancer	Molecular	FFPE Tissue block	NGS Tissue Specific Test by NGS	12 working days	Rs. 17000/-
3	LI0177	Colon Tissue Specific Test Sequencing and MSI Colorectal Cancer	Molecular	FFPE Tissue block	NGS Tissue Specific Extended Test by NGS PCR Microsatellite Instability	12 working days	Rs. 25000/-
4	LI0192	MSI Colon Tissue Specific Test Colorectal Cancer	Molecular-PCR	FFPE Tissue block	PCR Microsatellite Instability	12 working days	Rs. 10000/-
5	LI0183	Colon tissue specific test Extended panel by NGS	Molecular-NGS	FFPE Tissue block	NGS Colon Extended Panel	20 working days	Rs. 23000/-
6	LI0179	Liquid Biopsy 56 Gene Panel Colon Cancer	Molecular-dd PCR	PB of 10ml in 2 Streck tubes(in each)	56 Gene Panel	15-20 working days	Rs. 40000/-
7	LI0180	152 Gene Panel by NGS Colon Cancer	Molecular-NGS	FFPE Block	152 Gene Panel	30-40 working days	Rs. 75000/-
8	LI0189	Mutation Specific Test	Molecular-Sequencing	FFPE Block	Mutation specific Test	20-25 working days	Rs. 5000/-

Blue Colour - PCR

Light Purple Colour - NGS

Purple Colour - Molecular Genetic Studies

Gastro Intestinal Stromal Tumors (GIST)

GASTRO INTESTINAL STROMAL TUMORS (GIST) TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0166	Molecular KIT GIST Panel	Molecular	FFPE Tissue	Molecular: KIT (exons 9, 11, 13, 17) mutations (sequencing)	6 working days	Rs. 9000/-
2	LI0200	PDGFRA Sequencing Test	Molecular	FFPE Tissue	Molecular: PDGFRA Sequencing	17 working days	Rs. 8000/-
3	LI0179	Liquid Biopsy 56 Gene Panel	dd PCR	PB of 10ml in 2 Streck tubes (in each)	56 Gene Panel	15-20 working days	Rs. 40000/-
4	LI0180	152 Gene Test by NGS	NGS	FFPE Block	152 Gene Panel	30-40 working days	Rs. 75000/-
5	LI0189	Mutation Specific Test	Sequencing	FFPE Block	Mutation specific Test	6 working days	Rs. 5000/-
6	LI0218	FISH ERBB2(HER2/Neu) Gastric Cancer	FISH	FFPE Tissue	FISH: FISH ERBB2(HER2/neu) Amplification	7 working days	Rs. 14000/-

Melanoma

MELANOMA TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0149	Molecular Marker Melanoma	Molecular	FFPE Tissue Block	BRAF V600E mutation(ASO-PCR)	6 working days	Rs. 6000/-

Green Colour - Cytogenetic Studies

Purple Colour - Molecular Genetic Studies

Miscellaneous

MISCELLANEOUS TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0158	Molecular <i>TP53</i> sequencing	Molecular	FFPE Tissue block	<i>TP53</i> (exons 4-9) sequencing	10 working days	Rs. 12000/-
2	LI0213	Molecular <i>TP53</i> sequencing	Molecular	3-5ml of BMA/PB in EDTA tube	<i>TP53</i> (exons 4-9) sequencing	10 working days	Rs. 10000/-

Non Small Cell lung Cancer (NSCLC)

NON SMALL CELL LUNG CANCER (NSCLC) TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers Panels	TAT	MRP
1	LI0167	FISH Combi-panel NSCLC New	FISH + Sequencing	FFPE Tissue	FISH ALK translocation, ROS1 translocation Sequencing EG FR(exon 18-21) mutations,	10 working days	Rs. 15500/-
2	LI0171	Oncoinsights™ FISH Combi-panel 1 NSCLC New	FISH + Sequencing +IHC	FFPE Tissue	FISH ALK translocation ROS1 translocation, MET Amplification. Sequencing EG FR(exon 18-21) mutations, IHC PD-L1	10 working days	Rs. 24000/-
3	LI0172	Oncoinsights™ FISH Combi-panel 2 NSCLC New	FISH + Sequencing + IHC	FFPE Tissue	FISH ALK translocation ROS1 translocation, MET Amplification. Sequencing EG FR(exon 18-21) mutations, BRAF V600E Mutation KRAS(exon 2, 3) (sequencing) IHC PD-L1	10 working days	Rs. 30000/-
4	LI0165	Panel Non-Small Cell Lung Cancer	FISH + Sequencing	FFPE Tissue	FISH ALK translocation Sequencing EGFR (exon 18-21) mutations,	6 working days	Rs. 12000/-
5	LI0175	NGS panel Lung Tissue Specific Test	NGS	FFPE Tissue	NGS	12 working days	Rs. 19000/-
6	LI0182	Extended NGS panel Lung Tissue Specific Test	NGS	FFPE Tissue	Extended NGS	15-20 working days	Rs. 21000/-

Green Colour - Cytogenetic Studies

Light Purple Colour - NGS


Blue Colour - Sequencing

Brown Colour - IHC Studies

NON SMALL CELL LUNG CANCER (NSCLC) TESTS/PANELS

S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers Panels	TAT	MRP
7	LI0186	Liquid Biopsy EGFR Sense Test Lung Cancer	ddPCR	PB of 10ml in 2 streck tubes(in each)	EGFR-Sense Test (Del 19 & L858R)	7 working days	Rs. 20000/-
8	LI0187	Liquid Biopsy EGFR Resist Test Lung Cancer	ddPCR	PB of 10ml in 2 streck tubes(in each)	EGFR-Resist Test (T790M)	7 working days	Rs. 20000/-
9	LI0188	Liquid Biopsy EGFR Panel Lung Cancer	ddPCR	PB of 10ml in 2 streck tubes(in each)	EGFR-Sense Test (Del 19 & L858R) & EGFR-Resist Test (T790M)	9 working days	Rs. 30000/-
10	LI0179	Liquid Biopsy 56 Gene Panel Lung Cancer	ddPCR	PB of 10ml in 2 streck tubes(in each)	56 Gene Panel	15-20 working days	Rs. 40000/-
11	LI0178	56 Gene Panel Lung Cancer	NGS	FFPE Block	56 Gene Panel	15-20 working days	Rs. 40000/-
12	LI0180	152 Gene Panel by NGS Lung Cancer	NGS	FFPE Block	152 Gene Panel	30-40 working days	Rs. 75000/-
13	LI0191	PD-L1 Test Lung Cancer	IHC	FFPE Block	PD-L1	10-12 working days	Rs. 8000/-
14	LI0189	Mutation Specific Test	Sequencing	FFPE Block	Mutation specific Test	20-25 working days	Rs. 5000/-
15	LI0206	FISH for MET 1 Amplification New	FISH	FFPE Block	FISH for MET 1 Amplification	5 working days	Rs. 7000/-
16	LI0162	EGFR (exon 18-21) mutations (sequencing)	Molecular	FFPE tissue	EGFR (exon 18-21) mutations (sequencing)	6 Days	Rs. 8500/-
17	LI0163	Molecular Panel Test for Colorectal Cancer KRAS (exon 2, 3) mutations (sequencing)	Molecular	FFPE tissue	KRAS (exon 2, 3) mutations (sequencing)	6 Days	Rs. 8000/-
18	LI0165	ALK translocation, EGFR (exon 18-21) mutation (sequencing)	FISH+ Sequencing	FFPE tissue	ALK translocation, EGFR (exon 18-21) mutation (sequencing)	6 Days	Rs. 12000/-
19	LI0164	EGFR (exon 18-21) mutations, KRAS (exon 2, 3) (sequencing)	Molecular	FFPE tissue	EGFR (exon 18-21) mutations, KRAS (exon 2, 3) (sequencing)	6 Days	Rs. 15000/-

Sarcoma

SARCOMA TESTS/PANELS							
S.No.	Lilac Code	Panel Name	Methodology	Sample Requirements	Tests/Markers	TAT	MRP
1	LI0053	FISH Alveolar Rhabdomyosarcoma (ARMS)	FISH	FFPE Tissue	FISH <i>FOXO1</i> (13q14) translocation	7 working days	Rs. 10000/-
2	LI0052	FISH Ewing Sarcoma	FISH	FFPE Tissue	FISH <i>EWSR1</i> (22q12) translocation	7 working days	Rs. 10000/-
3	LI0214	EWSR-FLI1 FISH  Ewing Sarcoma	FISH	FFPE Tissue	FISH <i>EWSR1-FLI1</i> translocation	7 working days	Rs. 10000/-
4	LI0054	FISH Extraskeletal Myxoid Chondrosarcoma	FISH	FFPE Tissue	FISH <i>NR4A3 (TEC)</i> (9q22.3) translocation	7 working days	Rs. 10000/-
5	LI0055	FISH panel Infantile Fibrosarcoma	FISH	FFPE Tissue	FISH <i>EWSR1</i> (22q12) translocation, <i>NTRK3</i> (15q25) translocation	7 working days	Rs. 14000/-
6	LI0056	FISH Myxoid Liposarcoma	FISH	FFPE Tissue	FISH t(12;16): <i>FUS</i> rearrangement	7 working days	Rs. 10000/-
7	LI0057	FISH Synovial Sarcoma	FISH	FFPE Tissue	FISH t(X;18): <i>SS18</i> translocation	7 working days	Rs. 10000/-

 Green Colour - Cytogenetic Studies

Individual Markers

ACUTE LYMPHOBLASTIC LEUKEMIA (ALL) INDIVIDUAL FISH MARKERS TESTS/PANELS					
S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
1	LI0008	FISH for <i>BCR-ABL1</i>	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
2	LI0062	FISH for <i>KMT2A</i>(<i>MLL</i> translocation)	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
3	LI0063	FISH for t(9;11)(<i>MLLT3-KMT2A</i>), t(4;11)(<i>AFF1-KMT2A</i>), t(11;19)(<i>MLLT1-KMT2A</i>), t(6;11)(<i>MLLT4-KMT2A</i>)	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 20000/- (Rs. 5000 each marker)
4	LI0100	FISH for t(10q24): <i>TLX1</i> translocation	BMA/PB 3-5 ml in Sodium Heparin tube	5 days	Rs. 5000/-
5	LI0101	FISH for t(5q35): <i>TLX3</i> translocation	BMA/PB 3-5 ml in Sodium Heparin tube	5 days	Rs. 5000/-
6	LI0102	FISH for del(9p21): <i>p16/CDKN2A</i> deletion	BMA/PB 3-5 ml in Sodium Heparin tube	5 days	Rs. 5000/-
7	LI0077	FISH for <i>ABL1</i>(9q34) translocation/rearrangement	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
8	LI0079	FISH for <i>JAK2</i>(9p24) translocation/rearrangement	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
9	LI0080	FISH for <i>NUP214</i>(9q34.13) translocation/rearrangement	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
10	LI0074	FISH for t(12;21)(<i>ETV6-RUNX1</i>)	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
11	LI0075	FISH for t(1;19)(<i>PBX1-TCF3</i>)	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
12	LI0078	FISH for <i>TCF3</i> variant (v;19)	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
13	LI0076	FISH for Trisomy 4, 10, 17	BMA/PB 3-5 ml in Sodium Heparin tube	5 working days	Rs. 5000/-
14	LI0207	FISH for t(14q11): <i>TCR-A/D</i> translocation	FFPE Tissue block	7 working days	Rs. 7000/-
15	LI0208	FISH for t(7q34): <i>TCR-B</i> translocation	FFPE Tissue block	7 working days	Rs. 7000/-

Note: In-case of Dry tap bone marrow, we accept bone marrow smear slides for the FISH analysis.

ACUTE LYMPHOBLASTIC LEUKEMIA INDIVIDUAL MOLECULAR MARKERS TESTS/PANELS					
S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
16	LI0148	<i>ABL1</i> kinase domain mutation (sequencing) test	BMA/PB 3-5ml in EDTA tube	7 working days	Rs. 10000/-
17	LI0154	<i>BCR-ABL1</i> transcript copies, RT-qPCR for p210 and p190 test	BMA/PB 3-5ml in EDTA tube	4 working days	Rs. 10000/-
18	LI0129	<i>FLT3-ITD</i> in Early T-Cell precursor-ALL	BMA/PB 3-5ml in EDTA tube	3 working days	Rs. 5000/-
19	LI0130	<i>FLT3-D835</i> in Early T-Cell precursor-ALL	BMA/PB 3-5ml in EDTA tube	3 working days	Rs. 5000/-

ACUTE LYMPHOBLASTIC LEUKEMIA : CONVENTIONAL KARYOTYPING (CK) TESTS/PANELS

S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
20	LI0115	Conventional Karyotyping for ALL	BMA in 3-5 ml of Sodium Heparin	8-10 working days	Rs. 5000/-
21	LI0122	Ploidy Analysis in B-ALL	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
22	LI0118	Conventional Karyotyping in Acute Leukemia	BMA/PB 3-5 ml in sodium heparin tube	8-10 working days	Rs. 5000/-

ACUTE MYELOID LEUKEMIA: INDIVIDUAL TESTS/PANELS

S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
7	LI0114	Conventional Karyotyping (CK) for Acute Myeloid Leukaemia	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
8	LI0064	FISH for del(5q)-5	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
9	LI0065	FISH for del(7q)-7	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
10	LI0067	FISH for del(20q)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
11	LI0068	FISH for Inv3(EVI1 rearrangement)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
12	LI0060	FISH for Inv(16)(CBF-B rearrangement)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
13	LI0062	FISH for KMT2A(MLL translocation)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
19	LI0063	FISH for t(9;11)(MLLT3-KMT2A), t(4;11)(AFF1-KMT2A), t(11;19)(MLLT1-KMT2A), t(6;11)(MLLT4- KMT2A)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 12000/-
14	LI0069	FISH for PML-RARA variants(v;17)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
15	LI0066	FISH for trisomy 8	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
16	LI0070	FISH for trisomy 21	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
17	LI0059	FISH for t(8;21)(RUNX1T1-RUNX1)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
18	LI0061	FISH for t(9;22)(BCR-ABL1)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-

Note: In-case of Dry tap bone marrow, we accept bone marrow smear slides for the FISH analysis.

ACUTE MYELOID LEUKEMIA INDIVIDUAL: MOLECULAR MARKER'S TESTS/PANELS					
S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
20	LI0132	CEBPA Mutation (sequencing) test	BMA/PB 3-5ml in EDTA tube	3 working days	Rs. 7500/-
21	LI0135	KIT(exon 17)(PCR) test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 6000/-
22	LI0136	KIT(exon 8) mutation sequencing test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 9000/-
23	LI0130	FLT3-D835 test	BMA/PB 3-5ml in EDTA tube	3 working days	Rs. 5000/-
24	LI0129	FLT3-ITD test	BMA/PB 3-5ml in EDTA tube	3 working days	Rs. 5000/-
25	LI0133	NPM1 Mutation Sequencing test	BMA/PB 3-5ml in EDTA tube	3 working days	Rs. 6500/-

CHRONIC LYMPHOCYTIC LEUKEMIA/MULTIPLE MYELOMA INDIVIDUAL TESTS/PANELS					
S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
1	LI0119	Conventional Karyotyping by B-Cell Mitogen Analysis for CLL	BMA/PB 3-5 ml in Sodium Heparin tube	8-10 working days	Rs. 8000/-
2	LI0089	FISH for Amp(1q)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
3	LI0090	FISH for t(4;14)(IGH/FGFR3)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
4	LI0091	FISH for t(4;16)(IGH/MAF)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
5	LI0092	FISH for t(14;20)(IGH/MAFB)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
6	LI0093	FISH for t(6;14)(IGH/CCND3)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
7	LI0094	FISH for -13/(del13q)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
8	LI0095	FISH for Trisomy 12	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 3000/-
9	LI0096	FISH for del(17p)	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
10	LI0097	FISH for del(11q22) : ATM Deletion	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
11	LI0147	NOTCH1 mutation(p2514Fs*4)(PCR) test	BMA/PB 3-5 ml in EDTA tube	5 working days	Rs. 5000/-
12	LI0158	TP53 (exons 4-9) sequencing	BMA/PB 3-5 ml in EDTA tube	10 working days	Rs. 10000/-
13	LI0210	IGHV Mutation test New	BMA/PB 3-5 ml in EDTA tube	10 working days	Rs. 10000/-

Note: In-case of drytap bone marrow we accept bone marrow smear slides for FISH Analysis.

MYELODYSPLASTIC SYNDROMES INDIVIDUAL TESTS/PANELS

S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
1	LI0116	Conventional Karyotyping for MDS	BMA 3-5ml in Sodium Heparin tube	8-10 working days	Rs. 5000/-
2	LI0146	ASXL1 sequencing test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 7000/-
3	LI0158	TP53 (exons 4-9) sequencing test	BMA/PB 3-5ml in EDTA tube	10 working days	Rs. 10000/-
4	LI0159	SF3B1 (exons 14-16) sequencing test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 8000/-
5	LI0219	DNMT3A(R882) New	BMA 3-5ml in EDTA tube	4 working days	Rs. 7000/-
6	LI0220	IDH1 & IDH2(exon 4) New	BMA 3-5ml in EDTA tube	6 working days	Rs. 8000/-

MYELOPROLIFERATIVE NEOPLASM/MYELOPROLIFERATIVE DISORDERS INDIVIDUAL MARKERS TESTS/PANELS

S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
1	LI0117	Conventional Karyotyping for MPN/MPD	BMA 3-5ml in Sodium heparin tube	8-10 working days	Rs. 5000/-
2	LI0141	JAK2 V617F mutation (by ASO-PCR) test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 5000/-
3	LI0142	JAK2 exon12 by sequencing test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 5000/-
4	LI0144	CALR (exon 9) sequencing test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 7000/-
5	LI0156	MPL W515 mutational analysis test	BMA/PB 3-5ml in EDTA tube	5 working days	Rs. 6000/-
6	LI0071	FISH for PDGFRA(4q12) rearrangement with CHIC2 deletion	BMA/PB 3-5ml in Sodium Heparin tube	5 working days	Rs. 5000/-
7	LI0072	FISH for PDGFRB(5q33) translocation/rearrangement	BMA/PB 3-5ml in Sodium Heparin tube	5 working days	Rs. 5000/-
8	LI0073	FISH for FGFR1(8p12) rearrangement	BMA/PB 3-5ml in Sodium Heparin tube	5 working days	Rs. 5000/-

T-LYMPHOID MALIGNANCY TESTS/PANELS

S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
1	LI0098	t(14q11): TCR-A/D translocation	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
2	LI0099	t(7q34): TCR-B translocation	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
3	LI0100	t(10q24): TLX1 translocation	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
4	LI0101	t(5q35): TLX3 translocation	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-
5	LI0102	del(9p21): p16/CDKN2A deletion	BMA/PB 3-5 ml in sodium heparin tube	5 working days	Rs. 5000/-

LYMPHOMA TESTS/PANELS

S.No.	Lilac Code	Individual Test	Specimen Requirements	TAT	MRP
1	LI0081	FISH for 8q24(MYC) translocation	FFPE Tissue	5 working days	Rs. 7000/-
2	LI0082	FISH for 8q24(MYC) translocation	BMA/PB 3-5ml in sodium heparin tube	5 working days	Rs. 5000/-
3	LI0083	FISH for Lymphoma 2p23(ALK) translocation	FFPE Tissue	5 working days	Rs. 7000/-
4	LI0084	FISH for Lymphoma 2p23(ALK) translocation	BMA/PB 3-5ml in sodium heparin tube	5 working days	Rs. 5000/-
5	LI0085	FISH for Lymphoma t(3q27)(BCL6) rearrangement	FFPE Tissue	5 working days	Rs. 7000/-
6	LI0086	FISH for Lymphoma t(3q27)(BCL6) rearrangement	BMA/PB 3-5ml in sodium heparin tube	5 working days	Rs. 5000/-
7	LI0087	FISH for Lymphoma t(11;18)(MALT1) translocation	FFPE Tissue	5 working days	Rs. 7000/-
8	LI0088	FISH for Lymphoma t(11;18)(MALT1) translocation	BMA/PB 3-5ml in sodium heparin tube	5 working days	Rs. 5000/-
9	LI0120	Conventional Karyotyping (Lymphoma)	BMA/PB 3-5ml in Sodium Heparin tube	8-10 days	Rs. 8000/-

SPECIMEN COLLECTION AND TRANSPORTATION OF SPECIMENS FOR CYTOGENETIC STUDIES

Hematolymphoid Malignancies:

Bone Marrow Aspirate (BMA) / Peripheral Blood (PB) is the recommended tissue for FISH. BMA is highly recommended for karyotyping test. PB is accepted for karyotyping provided PB contains $\geq 40\%$ blasts. 3-5ml of bone marrow aspirate/5ml of peripheral blood into a sterile Sodium heparin vacutainer (Green top). **In case of drytap bone marrow, we accept bone marrow smear slides for FISH analysis.**

Multiple myeloma, 5-6ml of BMA is highly recommended for purification of plasma cells

Solid Tumors

FFPE tissue block with marked tumor area along with H&E slide is placed in a zip-lock bag and transferred to the service laboratory in a container at Room Temperature(RT). Bladder Cancer FISH: Urine specimen (20-40ml in a sterile plastic container)

Transportation:

BMA/PB/liquid specimens should be transported with a cool pack and should reach to service lab within 24-48 hrs after collection

Note: In case of a treated patient, cytogenetic report at diagnosis is required. For chromosome breakage studies, in addition to patient's PB, PB 5-7ml in sodium heparin tube of unrelated, age and sex-matched non-alcoholic and non-smoker control is required.

SPECIMEN COLLECTION AND TRANSPORTATION OF SPECIMENS FOR MOLECULAR GENETIC STUDIES

Hematolymphoid Malignancies:

Bone Marrow Aspirate (BMA) / Peripheral Blood is the recommended tissue. Collect 3-5ml of bone marrow aspirate/5ml of peripheral blood into a sterile EDTA vacutainer (Purple top). Collect 10 ml peripheral blood in case of monitoring BCR-ABL1 transcript copies when patient is on treatment.

Solid Tumors:

FFPE tumor block with marked tumor area & H&E slide is placed in a zip-lock bag and transferred to the specimen container at Room temperature.

Transportation:

BMA/PB/liquid specimens should be transported with a cool pack and should reach to service lab within 24-48 hrs after collection.

Note:

Lilac Insights is continuously validating and introducing new tests, to check the availability of Oncogenetics tests that are not mentioned in the list, kindly contact Dr. Pratibha Kadam Amare, Chief-Cancer and Clinical Genetics (Contact: +91- 9869249494) or Dr. Shivaji K. Jadhav, HOD, Cancer Molecular Genetics, (Contact: +91-9152096823) or at LILAC INSIGHTS +91 22 41841438.

Management of Lilac Insights Private Limited has the right to discontinue or change the panel of any tests mentioned in the list or change prices without prior notification.

All the TAT is from the receipt of the sample in the Lab.

Oncoinsights are the panels created with vast experience of Dr. Pratibha Kadam Amare and latest guidelines(like NCCN, ELN, WHO, ASH & ASCO) updates in cancer genetics for better and accurate risk stratification of the disease.

List of Offerings from Lilac Insights

Cytogenetic Tests	Cytogenetic Tests	Molecular genetics
Hematological Malignancies	Solid Tumors	Hematological Malignancies
Chronic Myeloid Leukemia - Chronic Phase/Accelerated Phase/Blast Phase	Breast Cancer	Acute Myeloid Leukemia
Acute Myeloid Leukemia	Gastric Cancer	Chronic Myeloid Leukemia
Acute Promyelocytic Leukemias	Non-Small Cell Lung Cancer	Acute Promyelocytic Leukemia
Myelodysplastic Syndromes	Neuroblastoma	Acute Lymphoblastic Leukemia
Myeloproliferative Neoplasms	Brain Tumors	Myeloproliferative Neoplasms
Acute Lymphoblastic Leukemia(B-Cell/T-Cell)	Neurological Cancers	Myelodysplastic Syndromes
Chronic Lymphocytic Leukemia	Ewing Sarcoma	Early T Cell precursor - Acute Lymphoblastic Leukemia
Sex-mismatched Bone Marrow Transplant	Alveolar Rhabdomyosarcoma	Chronic Lymphocytic Leukemia
Chronic Eosinophilic Leukemia	Extraskeletal Myxoid Chondrosarcoma	Hairy Cell Leukemia
Ph1 Like B- Acute Lymphoblastic Leukemia	Infantile Fibrosarcoma	Solid Tumors
Multiple Myeloma on Purified Plasma Cells	Myxoid Liposarcoma	Non Small Cell Lung Cancer
Hairy cell Leukemia	Synovial sarcoma	Colorectal Cancer
Lymphoma FISH Panels	Bladder Cancer	Gastrointestinal Stromal Tumors
IGH Translocations		Melanoma
Mantle Cell Lymphoma		TP53 Deletion
Follicular Lymphoma		
Burkitt Lymphoma		
Diffuse large B-Cell Lymphoma		
Dual Hit Lymphoma(High Grade B-Cell Lymphoma)		
Triple Hit Lymphoma(High Grade B-Cell Lymphoma)		
MALT Lymphoma		
Lymphoma B-Cell		
Lymphoma T-Cell		
Hepatosplenic γ , δ T-cell Lymphoma		

For Further Details, contact us at:

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Advances in genetics will create a healthier tomorrow. With a continuous emphasis on innovation and technology, Lilac Insights shall keep contributing to progression of genetics in healthcare and research. We will remain customer-focused. We will keep reinventing our processes, develop skills and create opportunities for genetic professionals. We will not only improve access to advanced genetic solutions in India but also be seen as a collaborator of choice by global organizations, seeking quality genetic services at affordable costs.

Contact us:

LILAC INSIGHTS PVT. LTD

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