

## Version

S.No	Test Name	Gene list	Specimen Type	Methodology	TAT
1	MRD for B-cell clonality		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
2	B-cell clonality screening		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
3	NPM1 - MRD Detect		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Quantitative RT-qPCR	3 days
4	[SBZ] Germline HRR (Homologous Recombination Repair) pathway genes analysis		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	14 days
5	ALL Focus Panel by NGS		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Next Generation Sequencing (NGS)	7 days
6	Expanded Cancer Panel		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
7	Basic Cancer Panel		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
8	BCR-ABL, T(9:22) (QUALITATIVE), REAL TIME PCR		FFPE	Real-Time PCR	1 day
9	FISH for Multiple myeloma (MM) [with Plasma Enrichment] - 6 Markers with CKS1B (1q gain/amplification)		Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	5 days
10	Comprehensive Myeloma Panel		Serum,Peripheral Blood in EDTA (Purple Top)	Combo test	3 days
11	FISH for Multiple Myeloma (MM) [With Plasma cell enrichment] - IGH/CCND3		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
12	Chromosomal Analysis - Hematological Malignancies		Peripheral Blood in Heparin (Green Top)	Karyotyping	8 days
13	Clinical exome (only data upload in MedG interpretation tool/ no clinical reporting) [Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
14	Clinical exome (only data upload in MedG interpretation tool/ no clinical reporting)		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	21 days
15	Multiple myeloma MRD By Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
16	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH/CCND3		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
17	BCR-ABL1 MRD	BCR-ABL (QN)	Peripheral Blood in EDTA (Purple Top)	Quantitative RT-qPCR	3 days

18	ALL Molecular Work-up		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	10 days
19	FANCD2-PALB2 deletion/duplication analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	MLPA	15 days
20	PRF1 gene sequencing	PRF1	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	19 days
21	FISH for Acute Myeloid Leukemia (AML)- t(6;9)(p22;q34), DEK/NUP		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
22	FISH for Acute Lymphoblastic Leukemia (ALL) - Hyperdiploidy panel (Trisomies of chr4, 10 & 17)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
23	FISH for Multiple Myeloma (MM) - t(14;20), IGH/MAFB		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
24	Leukemia/Lymphoma Panel- Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
25	JAK2 gene analysis - Exon 14		Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	7 days
26	FISH for Myeloproliferative Neoplasms (MPN) panel - 4 markers ( PDGFRA, PDGFRB, JAK2 & FGFR1 Gene Rearrangements )		Cell Pellet,Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	5 days
27	FISH for Myeloproliferative Neoplasms (MPN) -FGFR1(8p11.2) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
28	FISH for Myeloproliferative Neoplasms (MPN)- JAK2 (9p24) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
29	ETNK1 and SETBP1 gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	21 days
30	FLT3-ITD mutant allele burden analysis		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Fragment Analysis (FA)	4 days
31	Myeloproliferative neoplasm (MPN) panel [NGS]		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	7 days
32	Chromosomal Analysis - Hematological Malignancies		Bone Marrow Aspirate in EDTA (Purple Top)	Karyotyping	8 days
33	[Combo] Myeloproliferative neoplasm (MPN) reflex panel with BCR-ABL [NGS & RT-PCR]		Peripheral Blood in EDTA (Purple Top),DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	10 days
34	Leukemia Panel (SNVs, small INDELS and CNVs) by NGS		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA,FFPE	Next Generation Sequencing (NGS)	10 days

35	Myelodysplasia Panel - Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	2 days
36	Chronic Lymphoid Leukemia Panel - Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	2 days
37	Acute Leukemia Screen Panel - Flow cytometry		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
38	Acute Leukemia Classifier Panel - Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	2 days
39	MDS prognostication and risk stratification gene panel		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
40	JAK2 gene analysis - 2 exons (12, 14)		Peripheral Blood in EDTA (Purple Top),DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top)	Next Generation Sequencing (NGS)	7 days
41	CEL/HES (Chronic eosinophilic leukemia/hyper eosinophilic syndrome) prognostic gene panel		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
42	CMML (Chronic myelomonocytic Leukemia) risk stratification gene panel		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	10 days
43	NPM1 gene analysis (Hot Spot - exon 12)		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Fragment Analysis (FA)	14 days
44	MPN prognostication and risk stratification gene panel		Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
45	JMML risk stratification gene panel		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
46	MDS-AML Familial gene panel		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
47	CML/CNL (atypical) - prognostication gene panel		Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
48	CLL prognostication/risk stratification gene panel		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	10 days

49	Chronic myeloproliferative disorder gene panel (CMPD)		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
50	BCR-ABL quantitative gene fusion analysis (Major,Minor & Micro)		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Real-Time PCR	3 days
51	BCR-ABL quantitative (International Scale) gene fusion analysis	BCR-ABL (QN)	Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Real-Time PCR	3 days
52	BCR-ABL qualitative gene fusion analysis (Major,Minor & Micro)	BCR-ABL (QL)	Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Real-Time PCR	3 days
53	AML risk stratification gene panel		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	10 days
54	B-ALL/T-ALL risk stratification gene panel		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	10 days