

Version

S.NO	Test Name	Gene list	Specimen Type	Methodology	TAT
1	CD19,CD3 Percentage analysis		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top)	Flow cytometry	1 day
2	CD34+ Stem cell Enumeration (CD45, CD34, 7AAD)		Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	1 day
3	Lymphoproliferative Disorder Classifier Panel		Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	1 day
4	Acute Leukemia Screen Panel - Flow cytometry		Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	1 day
5	Chronic Lymphoid Leukemia Panel - Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in Heparin (Green Top)	Flow cytometry	1 day
6	Acute Leukemia Classifier Panel - Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Flow cytometry	1 day
7	[SBZ] Colorectal advanced panel by NGS & Microsatellite Instability (MSI) by fragment analysis		FFPE	Combo test	14 days
8	CNS Tumour Methylation Classifier		FFPE	Whole Genome Genotyping Array	21 days
9	RET Fluorescence In Situ Hybridization (FISH) testing		FFPE	Fluorescence in situ hybridization (FISH)	7 days
10	Biliary Tract Tumor Panel		FFPE	Combo test	14 days
11	Kappa and Lambda Free Light Chains		Serum,Plasma	Nephelometry	4 days
12	CD19,CD3 Percentage analysis		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	1 day
13	Lung Cancer Duo (Solid+ Liquid) NGS test - 24 genes		Blood in Streck Tube,FFPE	Combo test	14 days

14	AML Focus panel by NGS (SNVs, InDels & Fusions)	GATA2,WT1,NRAS,KAT6A,FLT3,TP53,BCOR,KRAS,MECOM,DNMT3A,STAG2,ASXL1,KIT,PTPN11,DDX41,SF3B1,BCR-ABL (QL),IDH1,ZRSR2,RUNX1,CREBBP,U2AF1,CBL,NPM1,EZH2,TET2,SRSF2,ANKRD26,IDH2,CEBPA,KMT2A	Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Next Generation Sequencing (NGS)	7 days
15	TUMOUR NECROSIS FACTOR (TNF), ALPHA		Serum	CLIA	3 days
16	BETA- HCG, TOTAL, QUANTITATIVE, TUMOR MARKER		Serum	CLIA	2 days
17	BETA- HCG, TOTAL, QUANTITATIVE, RANDOM URINE		Urine	CLIA	6 Hours
18	CA 19.9; PANCREATIC CANCER MARKER		Serum	ECLIA	1 day
19	CA 125; OVARIAN CANCER MARKER		Serum	CLIA	6 Hours
20	CA 72.4; GASTRIC CANCER MARKER		Serum	ECLIA	3 days
21	(CA) CYFRA 21-1; LUNG CANCER MARKER		Serum	ECLIA	3 days
22	CA 15.3; BREAST CANCER MARKER		Serum	ECLIA	6 Hours
23	AFP (ALPHA FETOPROTEIN), TUMOR MARKER		Serum	CLIA	3 days
24	HISTOPATH SLIDE REVIEW		Tissue Slides	Immunohistochemistry (IHC)	3 Hours
25	FISH for t(1;19), TCF3::PBX1 (q23;p13), ALL		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	5 days
26	TARGETED METHYLOME PANEL		DIRECT DNA	Next Generation Sequencing (NGS)	56 days
27	Methylation specific MLPA for MMR genes (MLH1, MSH2, PMS2 and MSH6)		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	MLPA	14 days
28	TumorFocus panel by NGS	ERG,NTRK1,STK11,AR,POLE,BRCA1,RET,APC,PMS2,KEAP1,FLI1,MRE11A,CTNNA1,MAP2K2,BRAF,FGFR1,NF1,CHUK2,MAP2K1,RAD54L,KDM6A,PDGFRB,GNAS,ATM,RAD51B,RAF1,PALB2,TSC2,CDK12,ARID1A,FANCL,POLD1,MSH2,BRIP1,IDH2,ERCC2,ERBB2,MLH1,PTEN,NRG1,SMARCB1,ALK,PIK3CA,GNA11,BARD1,FGFR3,CHEK1,KRAS,FANCA,MTOR,RAD51D,NTRK3,TSC1,ARAF,PTCH1,EZH2,BRCA2,IDH1,EGFR,MET,NRAS,ROS1,AKT1,PDGFRA,GNAS,ATR,FGFR2,CDKN2A,KIT,ESR1,MSH6,RAD51C,NTRK2,TP53,HRAS	FFPE,FFPE curls	Next Generation Sequencing (NGS)	14 days
29	TumourTrack - Comprehensive Tumor Panel (SNVs, Indels, CNVs and Fusions) (Expedited TAT)		FFPE slides,FFPE	Next Generation Sequencing (NGS)	14 days
30	TumourTrack Advance - Comprehensive Tumor Panel + Microsatellite Instability (MSI) test (Expedited TAT)		FFPE,FFPE curls	Next Generation Sequencing (NGS)	15 days
31	HE4; HUMAN EPIDIDYMIS PROTEIN 4		Serum	Histopathology	5 days
32	DPYD genotyping for *2A, *13, 2846A>T, c.1129-5923C>G		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Qualitative RT-PCR	7 days

33	FISH Panel for Lymphoma (BCL2, BCL6, MYC -BA)		Cell Pellet, Bone Marrow Aspirate in Heparin (Green Top), FFPE, Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
34	Advanced Breast Cancer gene Panel by NGS - Tumour Biopsy	ESR1, AKT1, PIK3CA, PTEN	FFPE	Next Generation Sequencing (NGS)	14 days
35	Advanced Breast Cancer gene Panel by NGS - Liquid Biopsy	ESR1, AKT1, PTEN, PIK3CA	Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
36	(Combo) Comprehensive Myeloid and Lymphoid Panel by NGS (SNVs, InDels, CNVs & Fusions) + FLT3 by Sanger		Peripheral Blood in EDTA (Purple Top), Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	14 days
37	OncoTrack CGP (Liquid Biopsy)		Blood in Streck Tube	Next Generation Sequencing (NGS)	14 days
38	Endometrial Cancer Molecular Classification Panel		FFPE	Combo test	14 days
39	Endometrial Cancer Basic NGS Panel		FFPE	Next Generation Sequencing (NGS)	14 days
40	BRAF Gene Analysis by NGS		FFPE	Next Generation Sequencing (NGS)	12 days
41	Lung Cancer NGS Panel (18 Genes) & PDL 1 IHC Analysis (Clone SP142)		FFPE	Combo test	14 days
42	Lung Cancer NGS Panel (18 Genes) & PDL 1 IHC Analysis (Clone SP263)		FFPE	Combo test	14 days
43	Lung Cancer NGS Panel (18 Genes)		FFPE	Next Generation Sequencing (NGS)	14 days
44	Lung Cancer Panel (16 Genes) – Liquid Biopsy		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
45	FISH for Acute Lymphoblastic Leukemia (ALL) - iAMP21		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
46	FISH for Acute Lymphoblastic Leukemia (ALL) - TCRA/D (14q11.2) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
47	FISH for Acute Lymphoblastic Leukemia (ALL) - ETV6-RUNX1 t(12;21)(p13;q22)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
48	FISH for Acute Lymphoblastic Leukemia (ALL) - E2A (19p13.3) Translocation		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
49	FISH for Acute Lymphoid Leukemia (ALL) - 6 Markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
50	FISH for Acute Lymphoblastic Leukemia (ALL) - C-Myc (8q24) Translocation		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
51	FISH for Acute Lymphoblastic Leukemia (ALL) Panel - 4 markers (E2A Breakapart, t(12;21), BCR-ABL, MLL)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
52	FISH for Acute Lymphoblastic Leukemia (ALL) Panel - 6 markers (MLL, iAMP21/ETV6-RUNX1, TCRA/D, BCR-ABL, C-Myc, IGH BA, E2A Breakapart)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
53	Colorectal Cancer Panel (Liquid Biopsy)		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
54	Familial Erythrocytosis Panel	BPGM, EGLN1, KDM6A, JAK2, HBA2, HIF1A, EPO, EPAS1, ZNF197, EPOR, HBA1, EGLN3, GF11B, VHL, OS9, HIF1AN, HBB, EGLN2, SH2B3, BHLHE41, HIF3A	Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
55	HER2/neu for Gastric Carcinoma by IHC		FFPE	Immunohistochemistry (IHC)	5 days
56	NUDT15 Gene Sequencing and Analysis		DIRECT DNA, Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	18 days
57	Liquid Biopsy NGS Panel (SNVs, InDels & Fusions)		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days

58	FISH for Comprehensive Multiple Myeloma (MM) with reflex Common IGH Breakpart (CCND1, MAF, MAFB, FGFR3)		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	5 days
59	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
60	FISH for Multiple Myeloma (MM) [with Plasma Enrichment] - Gain/amplification/Monosome for Chromosome 1 (single marker)		Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	5 days
61	Nucleic Acid (Both DNA & RNA) Isolation & Storage		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top),Tissue In RNA Later	Combo test	2 days
62	Mismatch repair genes defect analysis (dMMR) by IHC [MLH1, MLH2, MSH6 & PMS2]		FFPE	Immunohistochemistry (IHC)	5 days
63	Oncosense	CYP2D6,NUDT15,ABCG2,CFTR,DPYD, TPMT,CYP2C9,HLA-B,IFNL3,CYP4F2,SLCO1B1,CYP2C19,HLA-A,VKORC1,CYP3A5,RYR1,CYP2B6,CACNA1S,G6PD,UGT1A1	Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	14 days
64	Acute Myeloid Leukemia (AML) MRD by NGS - SNVs & Indels		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	12 days
65	Acute Myeloid Leukemia (AML) MRD by NGS - Fusions		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
66	ESR1 gene testing by NGS -Liquid Biopsy (Hot Spot Mutations)		Blood in Streck Tube	Next Generation Sequencing (NGS)	7 days
67	HLA Typing High resolution Single Marker- HLA DPA1		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	7 days
68	Oncotrack Advance -Liquid Biopsy NGS test (SNVs, InDels and Fusions)		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
69	FISH for CDKN2A/B deletion		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top),FFPE	Fluorescence in situ hybridization (FISH)	5 days
70	LungTrack Advance - Liquid Biopsy test by NGS (SNV's, InDel's & Fusions) [Expedited TAT]		Blood in Streck Tube	Next Generation Sequencing (NGS)	10 days
71	Oncoscan CNV Array		DIRECT DNA	Chromosomal Microarray (CMA)	10 days
72	Her2- Breast		FFPE Block & Slide,FFPE	Immunohistochemistry (IHC)	4 days
73	ER, PR, Her2 (For Carcinoma Breast)		FFPE,FFPE Block & Slide	Immunohistochemistry (IHC)	4 days
74	ER, PR		FFPE Block & Slide,FFPE	Immunohistochemistry (IHC)	4 days
75	ER, PR, Her2, Ki-67		FFPE,FFPE Block & Slide	Immunohistochemistry (IHC)	4 days
76	Minimal Residual Disease (MRD) by NGS in Solid Tumours (Liquid Biopsy)		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
77	LungTrack Advance - Liquid Biopsy test by NGS (SNVs, InDels & Fusions)		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days

78	FISH for Myelodysplasia Syndrome (MDS) - 4 markers		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
79	FISH for Acute Myeloid Leukemia (AML) - inv(16)/t(16;16)(p13.1;q22)		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
80	FISH for Acute Myeloid Leukemia (AML) - PML-RARA t(15;17)(q24,q21)		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
81	FISH for Acute Myeloid Leukemia (AML) - RUNX1-RUNX1T1 t(8;21)(q22;q22)		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
82	FISH for MDS/AML/ALL- Trisomy 8 / C-Myc amplification		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
83	FISH for AML/CML/MPN- BCR-ABL t(9;22)(q34;q11.2)		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
84	FISH for MDS/AML - del20q		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
85	FISH for MDS/AML - del5/5q (5q31,5q33)		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
86	FISH for MDS/AML/CML/JMML - del7/7q (7q22,7q31)		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (FISH)	6 days
87	Leukemia MRD (Minimal Residual Disease) Test by NGS - Fusions		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
88	ClonoSeq ID & MRD (Combo)		FFPE DNA,Tissue,FFPE curls,Bone Marrow Biopsy Tissue,Tissue Slides,FFPE Block & Slide,Peripheral Blood in EDTA (Purple Top),FFPE slides,FFPE,Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	13 days
89	ClonoSeq MRD		FFPE Block & Slide,Bone Marrow Aspirate in EDTA (Purple Top),FFPE slides,FFPE,FFPE DNA,Tissue,Bone Marrow Biopsy Tissue,FFPE curls,Peripheral Blood in EDTA (Purple Top),Tissue Slides	Next Generation Sequencing (NGS)	13 days

90	AML/MDS Comprehensive Genomic Profiling (Karyotyping +NGS (41 genes) +FISH (All 8 markers))		Bone Marrow Aspirate in Heparin (Green Top),DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top)	Combo test	10 days
91	AML/MDS Genomic Profiling (Karyotyping +NGS (41 genes)+FISH (Any 5 markers))		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA,Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Combo test	10 days
92	FISH for Multiple Myeloma (MM) IGH translocations [with Plasma Enrichment] -Any one Marker (t(14;16) IGH/MAF,IGH/FGFR3, IGH/CCND1, IGH/MAFB, IGH/CCND3)		Cell Pellet,Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (F	5 days
93	FISH for Multiple Myeloma (MM) Comprehensive Panel [with Plasma Enrichment] - del17, del13, Myc-Breakapart Probe, Hyper diploidy(5p15/9q22/15q22), CKS1B (1q gain/amplification) & IGH-Breakapart Probe		Cell Pellet,Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (F	5 days
94	FISH for Multiple Myeloma (MM) [with Plasma Enrichment] - Any one Marker del17, del13, Myc-Breakapart Probe, Hyperdiploidy (5p15/9q22/15q22), CKS1B (1q gain/amplification), & IGH-Breakapart Probe		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top),Cell Pellet	Fluorescence in situ hybridization (F	5 days
95	FISH for Multiple Myeloma (MM) [with Plasma Enrichment]- Any two Markers (del17, Trisomy 12/del13, Myc-Breakapart Probe, Hyperdiploidy (5p15/9q22/15q22), CKS1B (1q gain/amplification), & IGH-Breakapart Probe		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top),Cell Pellet	Fluorescence in situ hybridization (F	5 days
96	Endometrial Cancer panel by NGS + dMMR by IHC		Tissue In RNA Later,FFPE Block & Slide,FFPE slides,FFPE,FFPE DNA,FFPE curls	Combo test	14 days
97	Endometrial Cancer gene panel (SNVs, InDels & Fusions)		FFPE DNA,FFPE curls,Tissue In RNA Later,FFPE Block & Slide,FFPE slides,FFPE	Next Generation Sequencing (NGS)	14 days
98	ALK gene mutation test		FFPE	Next Generation Sequencing (NGS)	14 days
99	cfDNA isolation from Liquid Biopsy		Blood in Streck Tube	DNA Extraction	3 days
100	HISTOPATHOLOGY EXAMINATION OF BONE MARROW BIOPSY		Bone Marrow Aspirate in EDTA (Purple Top)	Histopathology	5 days
101	DIAGNOSTIC IHC-FINAL DIAGNOSIS PANEL		FFPE	Immunohistochemistry (IHC)	5 days
102	DIAGNOSTIC IHC- 3 to 5 MARKER WITH Interpretation		FFPE	Immunohistochemistry (IHC)	5 days
103	DIAGNOSTIC IHC- 2 MARKERS		FFPE	Immunohistochemistry (IHC)	5 days
104	DIAGNOSTIC IHC- 1 MARKER		FFPE	Immunohistochemistry (IHC)	5 days
105	Thyroid Nodule Prognostication NGS Panel		cDNA,Tissue In RNA Later,FFPE,FNAC	Next Generation Sequencing (NGS)	14 days
106	FISH for Multiple Myeloma (MM)- t(14;20), IGH/MAFB		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days

107	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH (14q32) Gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
108	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - C-Myc (8q24) Translocation		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
109	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment]- del13q(13q14.2, 13q34)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
110	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment]- del17p(TP53)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
111	FISH for Chronic Lymphoid Leukemia panel (CLL) Panel- 6 markers (del6q, del17p, del13q, ATM deletion / Trisomy 11, Trisomy 12, IGH rearrangement)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
112	FISH for Chronic Lymphoid Leukemia (CLL) Panel - 4 markers (del17p, Trisomy 11, Trisomy 12 and del13q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
113	FISH for Multiple Myeloma (MM) Panel - 4 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
114	FISH for Chronic Lymphoid Leukemia (CLL) Panel - 5 markers (del6q, del11q -ATM deletion, Trisomy 12, del13q, del17q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
115	FISH for Chronic Lymphoid Leukemia (CLL) - del6q		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
116	FISH for Chronic Lymphoid Leukemia (CLL) - Trisomy 12		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
117	FISH for Chronic Lymphoid Leukemia (CLL) - Trisomy 11		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
118	FISH for Chronic Lymphoid Leukemia (CLL) - IGH (14q32) Gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
119	FISH for Myelodysplasia Syndrome (MDS) - 4 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
120	FISH for Multiple Myeloma (MM) - 5 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
121	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH / MAF t(14;16)(q32;q23)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
122	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH/FGFR3 t(4;14)(p16;q32)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
123	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH/CCND1 t(11;14)(q13;q32)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
124	FISH for Myelodysplasia Syndrome (MDS)- 8 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
125	FISH for Acute Myeloid Leukemia (AML) - PML-RARA t(15;17)(q24,q21)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
126	FISH for Chronic Lymphoid Leukemia (CLL) - del17p (TP53)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days

127	FISH for Chronic Lymphoid Leukemia (CLL) - del13q (13q14.2, 13q34)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
128	FISH for AML/CML/MPN - BCR-ABL t(9;22)(q34;q11.2)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
129	FISH for AML/MLL/MDS - MLL(11q23) Breakapart		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
130	FISH for Myelodysplasia Syndrome (MDS) - ANY 3 markers (Inv3, del5/5q, del7/7q, Trisomy 8, MLL, del13q, del17p, del20q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
131	FISH for Myelodysplasia Syndrome (MDS) -ANY 5 markers (Inv3, del5/5q, del7/7q, Trisomy 8, MLL, del13q, del17p, del 20q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
132	FISH for MDS/AML- Inv(3) (MECOM, 3q26) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
133	FISH for MDS/AML/ALL - Trisomy 8		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
134	FISH for MDS/AML- del20q		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
135	FISH for MDS/AML -del5/5q (5q31,5q33)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
136	FISH for MDS/AML/CML/JMML - del7/7q (7q22,7q31)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
137	Leukemia MRD (Minimal Residual Disease) Test by NGS - SNVs and InDels		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
138	Colorectal advanced panel by NGS & Microsatellite Instability (MSI) by fragment analysis		FFPE curls,Peripheral Blood in EDTA (Purple Top),FFPE Block & Slide,FFPE slides,FFPE,FFPE DNA	Combo test	14 days
139	Soft Tissue Sarcoma Panel (SNVs, InDels and Fusions)		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
140	Liquid Biopsy NGS test (SNVs and Indels) -15 Homologous Recombination Repair (HRR) pathway genes including BRCA1/2		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
141	VHL - Somatic testing		FFPE	Next Generation Sequencing (NGS)	14 days
142	Tumour NGS Panel - 4 genes (EGFR, KRAS, NRAS & BRAF)		FFPE,Tissue In RNA Later	Next Generation Sequencing (NGS)	12 days
143	Comprehensive Myeloid and Lymphoid Panel by NGS (SNVs, InDels, CNVs & Fusions)		FFPE,Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
144	HRR gene panel & [Reflex] Germline Mutation Test		Peripheral Blood in EDTA (Purple Top),FFPE	Next Generation Sequencing (NGS)	14 days
145	HRDTrack test		FFPE	Next Generation Sequencing (NGS)	14 days
146	Germline HRR (Homologous Recombination Repair) pathway genes analysis		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	14 days
147	TumourTrack - Comprehensive Tumor Panel		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	21 days

148	Whole exome Sequencing (250x)- Hematological		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
149	Comprehensive Hereditary Cancer Gene Panel (SNVs, InDels & Large Deletions/Duplications)	PMS1,AR,MAX,BRCA2,MSH3,RAD51C ,TGFBFR2,WT1,CDKN1C,EXT2,RUNX1, DICER1,FANCF,SMAD4,GATA2,NF2,BARD1,MLH1,PRKAR1A,CD82,ERCC3,RECL4,TSC1,FANCB,SDHB,CEP57,ELAC2,FANCL,MUTYH,PHOX2B,APC,KIT,BRCA1,MSH2,RAD50,SUFU,WRN,CDK4 ,EXT1,RNASEL,DDB2,FANCE,SLX4,FLCN,NF1,BAP1,MET,PRF1,BUB1B,ERCC2 ,RB1,TP53,FANCA,SDHAF2,XPC,CEBPA,EGFR,FANCI,MSR1,ALK,HRAS,PALB2,BMPR1A,MRE11A,PTEN,STK11,CDH1,ERCC5,RHBDF2,VHL,CYLD,FANCD2,SDHD,FH,NBN,MEN1,PMS2,ATM,BRIP1,EPCAM,RAD51D,TMEM127,SBDS,XPA,CDKN2A,EZH2,DIS3L2,FANCG,MSH6,AIP,GPC3,NSD	Peripheral Blood in EDTA (Purple Top)	Combo test	14 days
150	Leukemia Fusion Panel by NGS		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
151	Hereditary cancer deletion duplication analysis (30 genes) by digital MLPA		Bone Marrow Aspirate in EDTA (Purple Top),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	14 days
152	TumourTrack Advance - Comprehensive Tumor Panel + Microsatellite Instability (MSI) test		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	21 days
153	ALL Multiplex RT-PCR Panel		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Qualitative RT-PCR	5 days
154	Autoimmune lymphoproliferative syndrome (ALPS)		Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
155	Whole exome sequencing (250x)- Somatic		FFPE	Next Generation Sequencing (NGS)	21 days
156	PIK3CA - theascreen® - FFPE		FFPE	Qualitative RT-PCR	6 days
157	PIK3CA - theascreen® - Liquid biopsy		Blood in Streck Tube	Qualitative RT-PCR	6 days
158	PIK3CA gene mutation analysis by NGS- Liquid Biopsy		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
159	NTRK Gene Fusion analysis by NGS		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
160	[COMBO] RB1 GENE sequencing with Deletion/Duplication Analysis (MLPA)		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Combo test	14 days
161	Tumour HRR (Homologous Recombination Repair) pathway genes analysis by NGS		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
162	FISH for ERBB2 (HER2) gene amplification - Gastroesophageal Adenocarcinoma (GEA)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days

163	Leukemia common translocations panel by RT-PCR (PML/Rara, bcr/abl, AML/ETO, inv16)		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Qualitative RT-PCR	5 days
164	Tumour Mutation Burden (TMB) analysis by NGS		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
165	ERBB2 gene analysis by NGS (SNVs, InDels and CNVs)		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
166	C-KIT gene sequencing		FFPE	Next Generation Sequencing (NGS)	7 days
167	RET gene mutation analysis by NGS		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
168	Glioma gene panel by NGS (SNVs, InDels, CNV & Fusions)		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
169	PIK3CA gene mutation analysis by NGS		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
170	Hereditary Breast and Ovarian Cancer (HBOC) gene panel	ATM,FANCL,NF1,RAD51C,CDKN2A,MUTYH,PTEN,EPCAM,XRCC2,FANCF,FANCD2,MSH2,BRCA1,MLH1,PMS2,FAH,PALB2,BRIP1,RAD51D,FANCB,BACH1,FZR1,STK11,APC,FANCG,NBN,RAD50,CDH1,MSH6,POLD1,CHEK2,TP53,FANCC,FANCA,RECQL	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	21 days
171	[Combo] HBOC Gene Panel (NGS) with BRCA1 & BRCA2 (MLPA)		Peripheral Blood in EDTA (Purple Top),DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	21 days
172	AML Comprehensive panel with Karyotyping [(PML/Rara, bcr/abl, AML/ETO, inv16 by RT-PCR) , (ASXL1, BRAF, CEBPA, CUX1, DNMT3A, ETV6/TEL, EZH2, FLT3, GATA1, GATA2, HRAS, IDH1, IDH2, JAK2, KIT (c-KIT), KRAS, MLL, NPM1, NRAS, PDGFRA, PHF6, PTPN11, RUNX1, SETBP1, STAG2, TET2, TP53, WT1, ZRSR2 by NGS)] + Karyotyping		Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top)	Combo test	10 days
173	AML Basic panel with Karyotyping [(PML/Rara, bcr/abl, AML/ETO,Inv16) by RT-PCR (NPM1, C-kit) by PCR] + Karyotyping		Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	8 days
174	AML Basic panel [(PML/Rara, bcr/abl, AML/ETO,Inv16) by RT-PCR (NPM1, C-kit) by PCR]		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Qualitative RT-PCR	5 days
175	Colorectal Cancer Panel by NGS & MMR by IHC		FFPE	Combo test	14 days
176	Lung Cancer gene Panel by NGS (SNVs, InDels & Fusions)+ PD-L1 (SP263) by IHC + Microsatellite Instability (MSI) test		FFPE	Combo test	14 days
177	Lung Cancer gene Panel by NGS (SNVs, InDels & Fusions) + PD-L1 (SP263) by IHC		FFPE	Combo test	14 days
178	Lung Cancer gene Panel (SNVs, InDels & Fusions)		FFPE	Next Generation Sequencing (NGS)	14 days
179	GNAS McCune-Albright syndrome higher depth (250X)		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	19 days

180	[Combo] AML risk stratification gene panel & FLT3 gene internal tandem duplication analysis [NGS, Fragment Analysis]		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	10 days
181	[Combo] Microsatellite instability (MSI) test + DNA Mismatch Repair (MMR) gene expression analysis by IHC		FFPE	Combo test	7 days
182	FISH for C-MET AMPLIFICATION		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
183	POLE gene sequencing		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
184	T- MRD		Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
185	Lung combo panel II- IHC (ALK D5F3, ROS1, PDL1, c-MET) & RT-PCR (EGFR[Hot Spot] exons 18, 19, 20, 21)		FFPE	Combo test	7 days
186	PNH by FLAER- High Sensitivity		Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
187	PDGFRA gene mutation analysis by NGS		FFPE,Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
188	KIT gene analysis - 2 exons (9,11)		FFPE	Next Generation Sequencing (NGS)	7 days
189	Comprehensive molecular work-up for CLL Prognostication [NGS,Sanger,FISH]		Bone Marrow Aspirate in EDTA (Purple Top),Bone,Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top)	Combo test	14 days
190	IGHV gene mutation analysis		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Fragment Analysis (FA)	14 days
191	IDH1 and IDH2 Gene Analysis		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	7 days
192	Li fraumeni (TP53) gene sequencing	TP53	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	21 days
193	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH (14q32) Gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
194	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - C-MYC (8q24) Translocation		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
195	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - Deletion 13q(13q14.2, 13q34)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
196	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - Deletion 17p(TP53)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
197	FISH for ALK and ROS-1 gene rearrangement , Lung cancer		FFPE	Combo test	6 days
198	FISH for Myeloproliferative Neoplasms (MPN) panel -5 markers (BCR/ABL, PDGFRA, PDGFRB, JAK2 and FGFR1 gene rearrangements)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
199	FISH for Myeloproliferative Neoplasms (MPN) panel - 3 markers (BCR/ABL, PDGFRA, PDGFRB)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
200	FISH for Chronic Lymphocytic Leukemia (CLL) Panel- 6 markers (del6q, del17p, del13q, ATM del/Trisomy 11, Trisomy 12, IGH rearrangement)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days

201	FISH for Acute Lymphoblastic Leukemia (ALL) -7 markers (E2A (TCF3) rearrangement, t(12;21); ETV6::RUNX1, t(9;22); BCR::ABL, MLL rearrangement/amplification, TCR alpha/delta (14q11.2) gene rearrangement, C-Myc Breakapart, IGH Breakapart]		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Fluorescence in situ hybridization (F	5 days
202	FISH for Acute Lymphoblastic Leukemia (ALL) (4 markers- E2A (TCF3) rearrangement, t(12;21); ETV6::RUNX1, t(9;22); BCR::ABL, MLL rearrangement/amplification)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
203	FISH for MDS/AML -6 markers (del 5/5q, del 7/7q, Trisomy 8, RUNX-RUNX1 t(8;21), PML-RARA t(15;17), Inv(16))		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	7 days
204	FISH for Chronic Lymphoid Leukemia (CLL) panel - 4 markers (del17p, Trisomy 11, Trisomy 12 and del13q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
205	FISH for Chronic Myeloid Leukemia (CML)- 4 markers (BCR-ABL, Iso17q, del7 and Trisomy 8)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
206	FISH for Chronic Myeloid Leukemia (CML) - iso17q		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
207	B- MRD		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Flow cytometry	2 days
208	[Combo] Advanced Glioma Panel (FISH, NGS & MGMT Methylation)		FFPE	Combo test	14 days
209	FISH for Multiple Myeloma (MM) Panel - 4 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
210	FISH for Chronic Lymphoid Leukemia (CLL) Panel - 5 markers (del6q, del11q -ATM del, Trisomy 12, del13q, del17q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	5 days
211	FISH for Chronic Lymphoid Leukemia (CLL) - 6q deletion		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
212	FISH for Chronic Lymphoid Leukemia (CLL) - Trisomy 12		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
213	FISH for Chronic Lymphoid Leukemia (CLL) - Trisomy 11		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	6 days
214	FISH for Acute Lymphoblastic Leukemia (ALL) - C-MYC (8q24) Rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
215	FISH for Acute Lymphoblastic Leukemia (ALL) -6 Markers (t(12;21); ETV6::RUNX1, t(9;22); BCR::ABL, MLL rearrangement/amplification, TCR alpha/delta (14q11.2) gene rearrangement, C-Myc Breakapart, IGH Breakapart)		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (F	5 days
216	FISH for Chronic Lymphoid Leukemia (CLL) panel - IGH (14q32) Gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days
217	FISH for Acute Lymphoblastic Leukemia (ALL) - E2A (TCF3) (19p13.3) Rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F	3 days

218	FISH for Acute Lymphoblastic Leukemia (ALL) - t(12;21); ETV6::RUNX1 (p13;q22)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
219	FISH for Myelodysplastic Syndrome (MDS) - 4 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	5 days
220	FISH for Multiple Myeloma (MM) Panel- 5 markers		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	5 days
221	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] -IGH /MAF t(14;16)(q32;q23)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
222	FISH for Multiple Myeloma (MM) [With Plasma cell Enrichment] - IGH/FGFR3 t(4;14)(p16;q32)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
223	FISH for Multiple Myeloma [With Plasma cell Enrichment] - IGH/CCND1 t(11;14)(q13;q32)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
224	FISH for Acute Lymphoblastic Leukemia (ALL) - TCR alpha/delta (14q11.2) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
225	Comprehensive ALL Panel (Karyotyping, FISH, RT-PCR, NGS)		Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in Heparin (Green Top),Bone Marrow Aspirate in EDTA (Purple Top)	Combo test	10 days
226	FISH for Acute Lymphoblastic Leukemia (ALL) - iAMP21		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
227	FISH for Myeloproliferative Neoplasms (MPN) -PDGFRB (5q32-33) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
228	FISH for Myeloproliferative Neoplasms (MPN) - PDGFRA (4q12) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	3 days
229	IKZF1 deletion/duplication analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	MLPA	14 days
230	TPMT and NUDT15 gene analysis		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	12 days
231	FISH for Retinoblastoma gene (13q14)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	7 days
232	FISH for ALK (2p23) gene rearrangement, NSCLC		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	6 days
233	FISH for ROS1 (6q22.1) rearrangement, NSCLC		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	6 days
234	FISH for Myelodysplastic Syndrome (MDS) - 8 markers		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Fluorescence in situ hybridization (F)	5 days
235	FISH for Acute Myeloid Leukemia (AML) Panel- (8 markers)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	5 days
236	FISH for Acute Myeloid Leukemia (AML) Panel (ANY 5 markers)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	6 days
237	FISH for Acute Myeloid Leukemia (AML) Panel (ANY 3 markers-Inv3, del 5, del7, MLL, t(15;17), t(8;21), inv(16), BCR-ABL)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (F)	5 days

238	FISH for Acute Myeloid Leukemia (AML) Panel - inv(16)/t(16;16)(p13.1;q22)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
239	FISH for Acute Myeloid Leukemia (AML) Panel- RUNX1-RUNX1T1 t(8;21)(q22;q22)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
240	FISH for Acute Myeloid Leukemia (AML) Panel - PML-RARA t(15;17)(q24,q21)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
241	RB1 gene analysis (Germline) [Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	14 days
242	Lynch Syndrome/HNPCC gene panel[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	14 days
243	Hereditary BRCA1 & BRCA2 gene analysis[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	10 days
244	[Combo] Lung combo panel - IHC (ALK D5F3, ROS1) & RT-PCR (BRAF V600, EGFR [Hot Spot] exons 18, 19, 20, 21)		FFPE	Combo test	7 days
245	Irinotecan toxicity testing (UGT1A1)		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	12 days
246	ALK gene Resistance mutation analysis by NGS		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
247	Tumor BRCA1 & BRCA2 Gene Analysis		FFPE,Tissue In RNA Later	Next Generation Sequencing (NGS)	14 days
248	Microsatellite Instability (MSI) by fragment analysis		FFPE	Fragment Analysis (FA)	7 days
249	FISH for ERBB2(HER2) Gene Amplification for Breast Cancer only		FFPE	Fluorescence in situ hybridization (FISH)	6 days
250	FISH for Chronic Lymphoid Leukemia (CLL) - del17p (TP53)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
251	FISH for Chronic Lymphoid Leukemia (CLL) - del13q (13q14.2, 13q34)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
252	OncoFocus Express - Liquid Biopsy NGS test for EGFR gene mutations	EGFR	Blood in Streck Tube	Next Generation Sequencing (NGS)	10 days
253	OncoFocus -Liquid Biopsy NGS test for EGFR gene mutations	EGFR	Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
254	FISH for Glioma -1p19q co-deletion (1p3619q13)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
255	FISH for AML/CML/MPN - BCR-ABL t(9;22)(q34;q11.2)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
256	FISH for AML/ALL/MDS - MLL (11q23) rearrangement/amplification		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
257	FISH for Myelodysplasia Syndrome (MDS)-ANY 3 markers (Inv3, del5/5q, del7/7q, Trisomy 8, MLL, del13q, del17p, del20q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
258	FISH for Myelodysplasia Syndrome (MDS) - ANY 5 markers (Inv3, del5/5q, del7/7q, Trisomy 8, MLL, del13q, del17p, del20q)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	5 days
259	FISH for MDS/AML - Inv(3) (MECOM, 3q26) gene rearrangement		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
260	FISH for MDS/AML/ALL - Trisomy 8 (C-Myc rearrangement/amplification)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days

261	FISH for MDS/AML- del20q		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
262	FISH for MDS/AML- del5/5q (5q31,5q33)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	3 days
263	FISH for MDS/AML/CML/JMML- del7/7q (7q22,7q31)		Bone Marrow Aspirate in EDTA (Purple Top)	Fluorescence in situ hybridization (FISH)	6 days
264	Oncotrack Ultima - Liquid Biopsy test by NGS (SNVs & InDels)		Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
265	OncoSelect - Liquid Biopsy NGS test for EGFR TKI resistance	EGFR	Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
266	Myeloma Panel - Flow cytometry (CD45, CD38, CD19, CD56, CD138, kappa, lambda)		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top)	Flow cytometry	2 days
267	OncoTrack - Liquid Biopsy NGS test (EGFR, KRAS, NRAS, BRAF)	BRAF,EGFR,NRAS,KRAS	Blood in Streck Tube	Next Generation Sequencing (NGS)	12 days
268	MYD88 gene L265P mutation analysis		FFPE curls,FFPE slides,DIRECT DNA,FFPE,Peripheral Blood in EDTA (Purple Top)	Sanger Sequencing	21 days
269	Von Hippel-Lindau syndrome (VHL) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
270	RB1 gene deletion/duplication Analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	MLPA	14 days
271	RB1 gene analysis (germline)		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Next Generation Sequencing (NGS)	14 days
272	Tumour Mutation panel (SNVs, InDels & CNVs)	STK11,CCND2,CIITA,FOXO1,CDK4,KDM6A,EGFR,PIK3CB,HRAS,RAD51D,LAMP1,SMARCB1,MUTYH,SDHA,MSH6,FGF2,ROS1,MET,STAT5B,NBN,SMAD4,TGFBR2,CDH1,DDX3X,FANCC,CHEK2,KMT2D,ERCC2,ATM,ERBB4,AKT1,FGF14,BIRC3,MDM4,FANCA,MYCN,FGF8,SF3B1,MSH2,TFRC,NPM1,PPP2R2A,TSC2,JAK2,TRAF7,PDGFRB,RAD51B,ZAP70,BCL6,ESR1,ARID1B,FGF6,CARD11,H3C2,FGF1,NOTCH2,FLT3,POLE,CHD8,FGFR4,CD79A,IRF4,CXCR4,PALB2,GNAS,RAD50,KMT2A,XRCC1,PMS2,RHOA,SRC,BRIP1,MYC,SDHC,TERT,CD28,CSF3R,GNA13,CDKN2B,KIT,ERBB2,MPL,IDH2,RB1,MCL1,SOC1,BARD1,MAP2K1,ERCC5,M	FFPE,Tissue in RNA Later	Next Generation Sequencing (NGS)	14 days

273	PDGFRA gene analysis by NGS (3 exons -12, 14, 18)		DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top),Tissue In RNA Later,Peripheral Blood in EDTA (Purple Top),FFPE	Next Generation Sequencing (NGS)	10 days
274	NRAS gene analysis (Hot Spot)		FFPE curls,FFPE slides,FFPE	Real-Time PCR	5 days
275	Non Small Cell Lung Cancer (NSCLC) Panel (SNVs and InDels)		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
276	MGMT gene methylation analysis (Temozolomide Resistance)		FFPE slides,FFPE,FFPE curls	Real-Time PCR	7 days
277	KRAS gene analysis (Hot Spot)		FFPE slides,FFPE,FFPE curls	Real-Time PCR	5 days
278	KIT gene analysis by NGS (4 exons- 9, 11, 13, 17)		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	7 days
279	BCR::ABL1 Mutation Analysis for TKI Resistance		Peripheral Blood in EDTA (Purple Top),Direct RNA	Next Generation Sequencing (NGS)	7 days
280	Hereditary Lynch Syndrome/HNPCC gene Panel		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	21 days
281	Hereditary cancer gene panel	FANCM,TGFBR2,FLCN,NF1,BRCA2,EN G,DDB2,PRF1,SLX4,EXT2,MAX,WT1,B AP1,RAD51C,BUB1B,ERCC2,RB1,TP53 ,FANCF,MSH3,MET,XPC,CDKN1C,NF2 ,RUNX1,CEBPA,FANCA,FANCI,MSR1,B ARD1,DICER1,PRKAR1A,SMAD4,SDH AF2,ERCC3,GATA2,TSC1,ALK,HRAS,P ALB2,BMPR1A,EGFR,PTEN,STK11,FA NCB,MLH1,CD82,MUTYH,RECQL4,CD H1,ERCC5,RHBDF2,VHL,FANCD2,MRE 11A,APC,CEP57,PHOX2B,SDHB,FANC L,SUFU,FH,NBN,BRCA1,ELAC2,CYLD,P MS2,SDHD,EXT1,KIT,WRN,ATM,RAD5 0,BRIP1,EPCAM,RAD51D,TMEM127,F ANCE,MSH2,MEN1,XPA,CDK4,RNASE L,CDKN2A,EZH2,FANCG,MSH6,SBDS, AIP,GPC3,NSD1,BLM	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	14 days
282	Gastrointestinal Stromal Tumor (GIST) Panel (SNVs, InDels and Fusions)		FFPE,Tissue In RNA Later	Next Generation Sequencing (NGS)	14 days
283	EGFR gene analysis (Hot Spot) - 4 exons (18, 19, 20, 21)	EGFR	FFPE,FFPE curls,FFPE slides	Real-Time PCR	4 days
284	Colorectal Cancer Panel (SNVs, InDels, CNVs & Fusions)		Tissue In RNA Later,FFPE	Next Generation Sequencing (NGS)	14 days
285	Carney complex (PRKAR1A) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Next Generation Sequencing (NGS)	21 days
286	Hereditary BRCA1 and BRCA2 gene analysis		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Next Generation Sequencing (NGS)	14 days
287	BRCA1 & BRCA2 deletion/duplication analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	14 days

288	Adenomatous polyposis coli (APC) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days
289	DPYD mutation analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
290	RAS extended profiling analysis by NGS		FFPE	Next Generation Sequencing (NGS)	12 days
291	BRAF V600 mutation analysis		FFPE curls,FFPE slides,Peripheral Blood in EDTA (Purple Top),FFPE,Bone Marrow Aspirate in EDTA (Purple Top)	Real-Time PCR	7 days