

## Version

S.NO	Test Name	Gene list	Specimen Type	Disease Category	Methodology	TAT
1	Comprehensive Alpha and Beta thalassemia gene panel (Expedited TAT)	HBA2,HBA1	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematological disorders	Next Generation Sequencing (NGS)	8 days
2	FNAC-SLIDE REVIEW		Skull Base Abscess	Hematological disorders	Microscopy	1 day
3	ACTIVATED PROTEIN C - RESISTANCE; APCR		Peripheral Blood in Sodium Citrate (Blue Top)	Hematological disorders	Clot Detection	3 days
4	ABSOLUTE NEUTROPHIL COUNT; ANC		Peripheral Blood in EDTA (Purple Top)	Hematological disorders	Electrical Impedence	4 Hours
5	ABSOLUTE EOSINOPHIL COUNT; AEC		Peripheral Blood in EDTA (Purple Top)	Hematological disorders	OTHERS	6 Hours
6	Hemoglobinopathy by HPLC		Peripheral Blood in EDTA (Purple Top)	Hematological disorders	High-performance liquid chromatography (HPLC)	3 days
7	Alpha Thalassemia (HBA1 & HBA2) deletion/duplication analysis by MLPA		DIRECT DNA	Hematological disorders	MLPA	14 days
8	Acute Myeloid Leukemia - Minimal Residual Disease (AML-MRD)		Bone Marrow Aspirate in EDTA (Purple Top)	Hematological disorders	Flow cytometry	2 days
9	Comprehensive alpha thalassemia gene analysis [HBA1 & HBA2]	HBA2,HBA1	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematological disorders	Next Generation Sequencing (NGS)	14 days
10	Comprehensive beta thalassemia [HBB] gene analysis	HBB	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematological disorders	Next Generation Sequencing (NGS)	14 days
11	F5 gene analysis	F5	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematological disorders	Next Generation Sequencing (NGS)	19 days
12	Thrombophilia gene panel	PROS1,PLAT,F2,F13A1,HRG,GGCX,THBD,SERPINC1,F11,F8,F5,PROC,MTHFR,F13B,F12,HABP2,F9,SERPIND1,F10,F7	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematological disorders	Next Generation Sequencing (NGS)	19 days
13	THPO gene sequencing	THPO	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematological disorders	Next Generation Sequencing (NGS)	19 days
14	Fanconi Anemia		Peripheral Blood in Heparin (Green Top),Peripheral Blood in EDTA (Purple Top)	Hematology	Karyotyping	15 days

15	Flow cytometry, CD20		Peripheral Blood in Heparin (Green Top),Bone Marrow Aspirate in Heparin (Green Top)	Hematology	Flow cytometry	3 days
16	Flow cytometry, CD19		Bone Marrow Aspirate in Heparin (Green Top),Peripheral Blood in Heparin (Green Top)	Hematology	Flow cytometry	2 days
17	HLA - DR7 (DRB1*07)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
18	HLA - DR5 (DRB1*11/12)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
19	HLA - DR4 (DRB1*04)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
20	HLA - DR2 (DRB1*02)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
21	HLA - DR (CLASS II) TYPING		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
22	HLA-B27, FLOW CYTOMETRY		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	8 Hours
23	HLA - B8 (B*08)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	3 days
24	HLA - B5 (B*51/52)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	3 days
25	HLA - B38 (B*38)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	3 days
26	HLA - B15 (B*15)		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	3 days
27	HLA - ABC (CLASS 1) TYPING		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	3 days
28	FLOW CYTOMETRY, CD 25		Bone Marrow Aspirate in EDTA (Purple Top)	Hematology	Flow cytometry	2 days
29	FLOW CYTOMETRY, CD 117		Bone Marrow Aspirate in EDTA (Purple Top)	Hematology	Flow cytometry	2 days
30	Multiple Myeloma Monitoring Panel		Peripheral Blood in EDTA (Purple Top),Serum	Hematology	OTHERS	4 days
31	Comprehensive Myeloma Screening Panel		Peripheral Blood in EDTA (Purple Top),Semen	Hematology	OTHERS	10 days
32	HBB Amplicon Sequencing TRIO (Expedited TAT)		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	10 days
33	Immunotyping/ Immunofixation Electrophoresis (IFE), Serum		Serum	Hematology	Combo test	2 days
34	Protein Electrophoresis Quantitative, Serum		Serum	Hematology	Capillary electrophoresis (CE)	1 day
35	Bone Marrow Aspiration Morphology		Unstained Slides (BMA),Bone Marrow Aspirate in EDTA (Purple Top)	Hematology	Pathology	2 days
36	HLA-B*27 by PCR		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
37	HLA-B*51 by PCR		Peripheral Blood in EDTA (Purple Top)	Hematology	OTHERS	4 days
38	Comprehensive Alpha and Beta thalassemia gene panel	HBA1,HBA2	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	14 days

39	ERCC4 gene analysis		Peripheral Blood in EDTA (Purple Top),DIRECT DNA,Bone Marrow Aspirate in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
40	HLA-A and HLA-B		Peripheral Blood in EDTA (Purple Top),Buccal Swab	Hematology	Next Generation Sequencing (NGS)	5 days
41	PROS1 gene sequencing	PROS1	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
42	FCGR deletion/duplication analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	MLPA	50 days
43	DHFR gene sequencing	DHFR	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
44	F13A1 and F13B gene sequencing	F13B,F13A1	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
45	Hereditary stomatocytosis (PIEZO1 and RHAG gene sequencing)	RHAG,PIEZO1	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
46	Familial erythrocytosis-1 (EPOR) gene sequencing	EPOR	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
47	PROC gene sequencing	PROC	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
48	Hb Electrophoresis and Red Cell indices		Peripheral Blood in EDTA (Purple Top)	Hematology	Pathology	8 days
49	ELANE gene sequencing	ELANE	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
50	SERPINC1 gene sequencing	SERPINC1	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
51	SLC11A2 gene sequencing	SLC11A2	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
52	[Combo] Haemophilia A (F8) gene analysis (along with analysis of the F8-intron 22 inversion)		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Combo test	19 days
53	Shwachman-Diamond syndrome (SBDS) gene sequencing	SBDS	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
54	Factor X deficiency (F10) gene analysis	F10	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
55	Platelet-type bleeding disorder-8 (P2RY12) gene sequencing	P2RY12	Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days

56	Factor VII deficiency (F7) gene sequencing	F7	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
57	Haemophilia A (F8) intron 22 inversion		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Long and Accurate PCR (LA PCR)	10 days
58	Fanconi Anemia		Peripheral Blood in EDTA (Purple Top),Peripheral Blood in Heparin (Green Top)	Hematology	Karyotyping	15 days
59	GATA1 and UROS gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
60	Glanzmann thrombasthenia (ITGA2B and ITGB3) gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
61	CYB5R3 and CYB5A gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
62	CD34+ Stem cell Enumeration (CD45, CD34, 7AAD)		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Hematology	Flow cytometry	4 Hours
63	G6PD gene sequencing [Expedited TAT]		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	14 days
64	Bone marrow failure syndrome gene panel[Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	14 days
65	Methemoglobinemia (CYB5R3) gene analysis[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
66	Congenital amegakaryocytic thrombocytopenia (MPL) gene analysis[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
67	Iron-refractory iron deficiency anemia (TMPRSS6) gene analysis[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	14 days
68	Wiskott Aldrich syndrome (WAS) gene analysis.[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
69	Haemophilia B (F9) gene analysis[Expedited TAT]		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	14 days

70	Haemophilia A (F8) gene analysis (analysis of the F8 inversion is not included)[Expedited TAT]		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	14 days
71	Hereditary Hemolytic Anemia Panel (For RBC membrane disorders and Enzymopathies) [Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	14 days
72	Hemophagocytic lymphohistiocytosis (HLH) gene panel[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	14 days
73	Von Willebrand disease (VWF) gene analysis[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
74	Hereditary spherocytosis gene panel[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
75	Sideroblastic anaemia gene panel[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	14 days
76	Hereditary elliptocytosis gene panel[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	14 days
77	Haemophilia (F8 & F9) gene panel (analysis of the F8 inversion is not included) [Expedited TAT]		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	14 days
78	Fanconi anemia gene panel[Expedited TAT]		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	14 days
79	Factor VII deficiency (F7) gene analysis[Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	14 days
80	Dyskeratosis congenita gene panel[Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	14 days
81	Diamond blackfan anemia gene panel[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days

82	Congenital dyserythropoietic anemia gene panel[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
83	Congenital afibrinogenemia gene panel[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
84	Aplastic anemia gene panel[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	14 days
85	G6PD gene sequencing		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
86	Fanconi anemia of complementation group A (FANCA) deletion/duplication analysis		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	MLPA	14 days
87	Bone marrow failure syndrome gene panel		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
88	Methemoglobinemia (CYB5R3) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
89	Congenital amegakaryocytic thrombocytopenia (MPL) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
90	Iron-refractory iron deficiency anemia (TMPRSS6) gene analysis		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	19 days
91	Hemophagocytic lymphohistiocytosis (HLH) gene panel		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
92	Von Willebrand disease (VWF) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
93	Sickle cell anemia (HBB) gene analysis (exon 1)		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Sanger Sequencing	10 days
94	Hereditary Spherocytosis gene panel		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	19 days

95	Fanconi anemia gene panel		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	19 days
96	Factor VII deficiency (F7) gene analysis		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
97	Factor V Leiden (F5) mutation analysis (exon 10)		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Sanger Sequencing	7 days
98	Dyskeratosis congenita gene panel		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
99	Diamond blackfan anemia gene panel		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
100	Congenital dyserythropoietic anemia gene panel		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
101	Congenital afibrinogenemia gene panel		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
102	Beta thalassemia [HBB] gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	14 days
103	Wiskott Aldrich syndrome (WAS) gene analysis		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
104	Haemophilia B (F9) gene analysis		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
105	Haemophilia A (F8) gene analysis (analysis of the F8 inversion is not included)		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
106	Hereditary Hemolytic Anemia Panel (For RBC membrane disorders and Enzymopathies)		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
107	Hemophagocytic lymphohistiocytosis deletion/duplication analysis		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	MLPA	14 days

108	Sideroblastic anaemia gene panel		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	Next Generation Sequencing (NGS)	19 days
109	MTHFR gene analysis - 2 exons (5 & 8)		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Hematology	Next Generation Sequencing (NGS)	12 days
110	Hereditary elliptocytosis gene panel		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
111	Haemophilia (F8) deletion/duplication analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Hematology	MLPA	14 days
112	Haemophilia (F8 & F9) gene panel		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	19 days
113	Beta thalassemia (HBB) deletion/duplication analysis by NGS		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology	Next Generation Sequencing (NGS)	14 days
114	Aplastic anemia gene panel		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	19 days
115	Alpha thalassemia (HBA1 & HBA2) deletion/duplication analysis		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Hematology	Next Generation Sequencing (NGS)	14 days
116	HLA SINGLE ANTIGEN BEAD ASSAY (SAB) FOR CLASS I & II IgG ANTIBODIES		Serum	Hematology Immunology	OTHERS	6 days
117	HLA SINGLE ANTIGEN BEAD ASSAY FOR CLASS I IgG ANTIBODIES (SAB) CLASS I			Hematology Immunology	OTHERS	6 days
118	HLA SINGLE ANTIGEN BEAD ASSAY FOR CLASS II IgG ANTIBODIES (SAB) CLASS II		Serum	Hematology Immunology	OTHERS	6 days
119	HLA Typing High resolution (A*, B*, C*, DRB1*, DQB1*, DQA1*, DPB1*)		Peripheral Blood in EDTA (Purple Top)	Hematology Immunology	Next Generation Sequencing (NGS)	7 days
120	SPLIT CELL CHIMERISM VALIDATION		Buccal Swab,Peripheral Blood in EDTA (Purple Top)	Hematology Immunology	Combo test	5 days
121	CHIMERISM SPLIT CELL ANALYSIS		Peripheral Blood in EDTA (Purple Top)	Hematology Immunology	Fragment Analysis (FA)	7 days

122	HLA SINGLE ANTIGEN BEAD ASSAY FOR CLASS II IgG ANTIBODIES; DSA-SAB CLASS II		Serum	Hematology Immunology	OTHERS	6 days
123	HLA SINGLE ANTIGEN BEAD ASSAY FOR CLASS I IgG ANTIBODIES; DSA-SAB CLASS I		Serum	Hematology Immunology	OTHERS	6 days
124	HLA SINGLE ANTIGEN BEAD ASSAY FOR CLASS I & II IgG ANTIBODIES; DSA-SAB CLASS I & II		Serum	Hematology Immunology	OTHERS	6 days
125	CD19 enumeration		Bone Marrow Aspirate in EDTA (Purple Top)	Hematology Immunology	Flow cytometry	4 days
126	HLA DQ2 & DQ8 haplotype screening for celiac disease		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology Immunology	Next Generation Sequencing (NGS)	10 days
127	HLA Donor Specific Antibodies, IgG (Class- I & II)		Peripheral blood in ACD A,Serum	Hematology Immunology	OTHERS	6 days
128	Autoimmune lymphoproliferative syndrome gene panel	XIAP,CASP10,SH2D1A,PRKCD,ITK,FASN,FASLG,FAS,CTLA4,CD27,CASP8	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Hematology Immunology	Next Generation Sequencing (NGS)	19 days
129						
130	HLA Typing High resolution (any one marker)		Buccal Swab,Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
131	HLAB27 by Flow cytometry		Bone Marrow Aspirate in EDTA (Purple Top)	Immunology	Flow cytometry	1 day
132	Inflammatory bowel disease gene panel		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
133	Mendelian susceptibility to mycobacterial disease gene panel		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
134	HLA Typing Low resolution (A*, B*, DRB1*)		Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
135	CHIMERISM TESTING ONLY FOR POST BMT ENGRAFTMENT MONITORING BY STR TYPING (Only Post Engraftment Sample)		Bone Marrow Aspirate in EDTA (Purple Top)	Immunology	Fragment Analysis (FA)	3 days
136	CYP3A5 testing for Tacrolimus dosing	CYP3A5	Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	12 days

137	HLA-DQB1*06:02 by NGS		Buccal Swab,Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
138	HLA Typing High resolution (A*, B*, C*, DRB1*, DQB1*, DPB1*) [Expedited TAT]		Buccal Swab,Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	5 days
139	HLA Typing High resolution (A*, B*, C*, DRB1*, DQB1*, DPB1*)		Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
140	Hemophagocytic lymphohistiocytosis-3 (UNC13D) gene sequencing	UNC13D	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
141	Familial Mediterranean fever (MEFV) gene sequencing	MEFV	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
142	Leukocyte adhesion deficiency (ITGB2) gene sequencing	ITGB2	Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
143	HLA-B*51 by NGS		Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
144	AIRE gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	19 days
145	Hyper-immunoglobulin E syndrome (DOCK8 and STAT3) gene sequencing		DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
146	HLA Typing High resolution (A*, B*, C*, DRB1*, DQB1*) [Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	5 days
147	HLA Typing High resolution (DPB1*)		Buccal Swab,DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	7 days
148	Hennekam lymphangiectasia-lymphedema syndrome-1 (CCBE1) gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	19 days
149	Thrombotic Thrombocytopenic Purpura (ADAMTS13) gene analysis[Expedited TAT]		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Immunology	Next Generation Sequencing (NGS)	14 days
150	Hyper-immunoglobulin E syndrome (DOCK8) gene sequencing[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	14 days
151	Severe combined immunodeficiency (SCID) gene panel[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Immunology	Next Generation Sequencing (NGS)	14 days

152	Primary immunodeficiency gene panel[Expedited TAT]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Immunology	Next Generation Sequencing (NGS)	14 days
153	Congenital neutropenia gene panel[Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	14 days
154	Chediak-Higashi syndrome (LYST) gene analysis[Expedited TAT]		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	14 days
155	Agammaglobulinemia (BTK) gene analysis[Expedited TAT]		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	14 days
156	IKBKG deletion/duplication analysis		Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS)	Immunology	MLPA	14 days
157	DCLRE1C gene sequencing		Peripheral Blood in EDTA (Purple Top),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	70 days
158	HLA-B*27 by NGS		Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
159	HLA Typing High resolution (A*, B*, C*, DRB1*, DQB1*)		Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	7 days
160	CHIMERISM TESTING ONLY FOR PRE BMT ENGRAFTMENT MONITORING BY STR TYPING (Only Pre-engraftment Sample of Patient & Donor Sample)		Bone Marrow Aspirate in EDTA (Purple Top),Peripheral Blood in EDTA (Purple Top),Buccal Swab,DIRECT DNA	Immunology	Fragment Analysis (FA)	3 days
161	Lymphoproliferative Disorder Classifier Panel - Flow cytometry		Peripheral Blood in EDTA (Purple Top),Bone Marrow Aspirate in EDTA (Purple Top)	Immunology	Flow cytometry	2 days
162	Thrombotic Thrombocytopenic Purpura (ADAMTS13) gene analysis		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Immunology	Next Generation Sequencing (NGS)	19 days
163	Severe combined immunodeficiency (SCID) gene panel		Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
164	Congenital neutropenia gene panel		Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF),DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	19 days

165	Primary immunodeficiency gene panel		Peripheral Blood in EDTA (Purple Top), Chorionic Villus Sample (CVS), Amniotic fluid (AF), DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	19 days
166	Hyper-immunoglobulin E syndrome (DOCK8) gene sequencing		Chorionic Villus Sample (CVS), Amniotic fluid (AF), DIRECT DNA, Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	19 days
167	HLA-B* 1502 for carbamazepine toxicity		Buccal Swab, DIRECT DNA, Peripheral Blood in EDTA (Purple Top)	Immunology	Next Generation Sequencing (NGS)	7 days
168	DOCK8 and STAT3 deletion/duplication analysis		Peripheral Blood in EDTA (Purple Top), Chorionic Villus Sample (CVS), Amniotic fluid (AF), DIRECT DNA	Immunology	MLPA	14 days
169	Chediak-Higashi syndrome (LYST) gene analysis		Peripheral Blood in EDTA (Purple Top), Chorionic Villus Sample (CVS), Amniotic fluid (AF), DIRECT DNA	Immunology	Next Generation Sequencing (NGS)	19 days
170	Agammaglobulinemia (BTK) gene analysis		DIRECT DNA, Peripheral Blood in EDTA (Purple Top), Chorionic Villus Sample (CVS), Amniotic fluid (AF)	Immunology	Next Generation Sequencing (NGS)	19 days