

## LIST OF INVESTIGATIONS

### Karyotyping:

Test Code	Test	SAMPLE	CONTAINER TYPE	TAT
K001	Peripheral blood cells For Karyotyping [Single]	Peripheral blood	Sodium heparin Vacutainer (2ml)	7-8 days
K005	Bone Marrow / Leukemic blood	Bone marrow / Leukemic blood	Sodium heparin Vacutainer (2ml)	5-6 days
K009	High Resolution Chromosome Study	Peripheral blood	Sodium heparin Vacutainer (2ml)	7-8 days

### FISH Investigation:

Test Code	Test	SAMPLE	CONTAINER TYPE	TAT
F001	AML1/ETO [AML - M2]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F002	TEL/AML1 [ALL]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F003	C-MYC [ALL, NHL]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F004	TRISOMY 12 [CLL]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F005	Inv(16) [AML M4Eo]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F006	CHR 13q [MM, CLL]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F007	IgH (MM)	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F008	CHR 13q   MM, CLL	Bone Marrow / Peripheral blood	Sodium Heparin Vaccutainer (2ml)	5-6 days
F009	BCR/ABL [CML, AML, ALL]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F010	PML/RARA [AML - M3] [APML]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F011	TRISOMY 8 [AML]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F015	MLL [AML, ALL]	Bone marrow / Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
F021	CHROMOSOMES [13, 18, 21, X & Y]	Amniotic fluid	Sterile container (20ml)	5-6 days
		Chorionic villi	Sterile Container	
		Blood	Heparin vacutainer (2ml)	

## REAL Time PCR for Hematological Malignancies:

Test Code	Test	SAMPLE	CONTAINER TYPE	TAT
C001	BCR/ABL QUANTITATIVE [Mbcr – CML, mbcr – ALL]	Bone marrow / Peripheral blood	EDTA vacutainer (4ml)	5-6 days
C002	PML/RARA QUANTITATIVE [Single form]	Bone marrow / Peripheral blood	EDTA vacutainer (4ml)	5-6 days
C003	JAK2	Bone marrow / Peripheral blood	EDTA vacutainer (4ml)	7-8 days
C004	FLT3	Bone marrow / Peripheral blood	EDTA vacutainer (4ml)	5-6 days
C005	NPM1	Bone marrow / Peripheral blood	EDTA vacutainer (2ml)	5-6 days
C006	TORCH PCR	Bone marrow / Peripheral blood	EDTA vacutainer (2ml)	5-6 days
C007A	EGFR (4 COMMON MUTATIONS)	Bone marrow / Peripheral blood	EDTA vacutainer (2ml)	5-6 days
C007	KRAS MUTATION	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days
C008	BRAF MUTATION	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days
C010	HER-2 MUTATION (RT-PCR)	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days
C011	HER-2 MUTATION (FISH)	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days
C012	TP53 MUTATION (Sequencing)	Peripheral blood	EDTA vacutainer (2ml)	5-6 days
C013	TP53 MUTATION (FISH)	Peripheral blood	Sodium heparin Vacutainer (2ml)	5-6 days
C014	KIT MUTATION	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days
C015	NRAS	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days
C016	All RAS (KRAS & NRAS)	Tumor Tissue	Paraffin Embedded Tissue Block	5-6 days

### Infectious Disease PCR:

Test Code	Test	TAT
ID003	HBV DNA PCR (Qualitative)	2-3 Days
ID005	HBV Quantitative Real Time PCR	3-4 Days
ID007	HCV Quantitative Real Time PCR	3-4 Days
ID008	HCV RNA PCR (Qualitative)	2-3 Days
ID009	Hepatitis A Virus RNA RT-PCR(HAV)	3-4 Days
ID010	Herpes Simplex	2-3 Days
ID011	Human Papilloma Virus (HPV) with LBC	2-3 Days
ID012	TB DNA PCR Qualitative (Real Time PCR)	1-2 Days
ID014	HIV-1 Quantitative Real Time PCR	3-4 Days

### Microarray Analysis:

Test Code	Test	Sample type	TAT
MC003	Chromosomal Microarray Analysis (array CGH) 8X60k	Peripheral Blood (4ml in EDTA vacutainer)	15days
MC006	Array CGH + SNP analysis	All type of Biological samples	30days

### NEXT GENERATION SEQUENCING BASED Analysis:

Test Code	Test	Sample type	TAT
<b>CANCER PANELS</b>			
NG001	Non-Small Cell Lung Carcinoma (NSCLC) Panel	Saliva sample/EDTA Blood/Tissue	15days
NG002	Breast Panel	Saliva sample/EDTA Blood/Tissue	15days
NG003	Colorectal Carcinoma panel	Saliva sample/EDTA Blood/Tissue	15days
NG004	Comprehensive Cancer Panel (Somatic Panel)	Saliva sample/EDTA Blood/Tissue	3- 4 weeks
NG005	Comprehensive Cancer Panel (Germline Panel)	Saliva sample/EDTA Blood/Tissue	4 - 6 weeks
<b>CLINICAL EXOME TEST</b>			
NG016	Clinical Exome Test covers 4800 genes associated with known clinical phenotypes	Saliva sample/EDTA Blood/Tissue	8 - 10 weeks