

OhMyGene Test Menu - Oncology

S No	Type of Cancer	Name of Test	Test Component	Method/Platform	Sample Type	TAT
1	Colorectal	Colorectal CA (Essential Panel)	Microsatellite instability (MSI) + BRAF V600E	Fragment length and Next generaon Sequencing (NGS)	1. Tumor FFPE block containing cancer cells. 2. Whole blood in EDTA (3ml)	17 working days
		Colorectal CA (Comprehensive Panel)	MSI+BRAF+KRAS+N RAS	Fragment length and Next generaon Sequencing (NGS)	1. Tumor FFPE block containing cancer cells. 2. Whole blood in EDTA (3ml)	17 working days
2	Breast	ER/PR/Her2 by IHC	Immunohisto-chemistry of ER, PR and Her2	Immunohistochemistry (IHC)	Tumor FFPE block	7 wokring days
		Her2 by FISH	Her2	FISH	Tumor FFPE block	9 working days
		Her2 by digital PCR	Her2	Digital PCR	Tumor FFPE block	9 working days
		Breast CA panel	BRCA1/2	Next generaon Sequencing (NGS)	1. HBOC syndrome paent:Whole blood in EDTA (3ml). 2. Eligibility for Olaparib (FFPE block).	30 working days
		Solid Tumour Panel	Mutations: ESR1,PIK3CA, PTEN.Copy number variaon: CCND1.	Next generaon Sequencing (NGS)	Tumor FFPE block	14 working days

3	Lung	EGFR by NGS	EGFR all exons	Next generaon Sequencing (NGS)	Tumor FFPE block	16 working days
		Solid Lung CA Panel	EGFR,BRAF, KRAS, ALK, ROS1, RET. MET, ERBB2, PIK3CA,Tp53. PTEN, DDR2, MAP2K2, HRAS, AKT1	Next generaon Sequencing (NGS)	Tumor FFPE block	16 working days
		EGFR T790M	EGFR T790 liquid biopsy	Digital PCR	Whole blood in Streck tube (10.0 ml)	17 working days
		Liquid Biopsy Lung CA Panel	ALK, BRAF, EGFR,ERBB2, KRAS,MAP2K1, MET,NRAS, PIK3CA,ROS1, and Tp53	Next Generaon Sequencing (NGS)	Whole blood in Streck tube (10.0 ml)	14 working days
		EGFR (Exon 18,19,20,21) By Sequencing	EGFR (Exon 18,19,20,21)	Next generaon Sequencing (NGS)	Tumor FFPE block	9 working days
4	Thyroid	Solid CA- Thyroid Panel	Sequencing: EGFR,BRAF, KRAS, NRAS,HRAS. Fusion:RET-PTC,PAX8-PPAR gamma.	Next Generaon Sequencing (NGS)	Tumor FFPE block	14 working days
5	GIST	Solid CA-GIST Panel	Sequencing: cKIT,PDGFRA	Next Generaon Sequencing (NGS)	Tumor FFPE block	14 working days
6	Oropharynx	HPV-Oral HPV 16/18	HPV 16/18	Real me PCR	Tumor FFPE block	7 working days

7	Cervical Cancer	HPV 16/18	HPV 16/18	Real me PCR	Cervical swab	4 days
		HPV-high risk strains	HPV-high risk strains	Next Generaon Sequencing (NGS)	Cervical swab	12 working days
8	Solid Basic- 52 Genes Panel	Covers 52 Genes of Solid Tumors	52 Genes	Next Generaon Sequencing (NGS)	Tumor FFPE block	17 working days
9	All Solid Tumors Comprehensive 161 Genes Panel	Comprehensive (161 gene panel for all solid tumors)	161 genes	Next Generaon Sequencing (NGS)	Tumor FFPE block	17 working days
10	Leukemia NGS Panel for DNA & RNA	40 key DNA target Genes & 29 Fusion RNA Genes covered total 69 Genes DNA+RNA together	69 Genes covered of Leukemia Covered 40 DNA & 29 RNA (Fusion genes)	Next Generaon Sequencing (NGS)	Blood or Bone marrow in EDTA 3 ml	12 working days
11	Hereditary Cancer Gene Panel 152 Genes		Covers Hereditary Cancers	Next Generaon Sequencing (NGS)	Blood or Bone marrow in EDTA 3 ml	23 Working Days
12	Hereditary Breast & Overian Cancer Panel -HBOC Panel	BRCA 1&2, ATM, PALB2, TP53, BRIP1, CDH1, CHEK2, NBN, PTEN, RAD1C, RAD1D,XRC2 , STK11	Covers Hereditary Breast & Overian Cancer	Next Generaon Sequencing (NGS)	Blood in EDTA 3 ml	23 Working Days
13	Leukemia NGS Panel DNA Genes + RNA Fusinons	69 Genes covered of Leukemia 40 DNA Genes & 29 RNA (Fusion genes)	ALL, AML,MDS/MPN,PMF, CEL,BPDCN,JMML,T AM,MNGP,CMML, t-MNs, Mastocytosis, CNL,ET,APL,PV& aCML are covered.	Next Generaon Sequencing (NGS)	Blood or Bone marrow in EDTA 3 ml	14 Working days
14	HRR Gene Panel	Ovarian & Pancreatic Cancer Somatic Genes		Next Generaon Sequencing (NGS)	Good Quality FFPE Block	23 Working Day

15	Imatinib Resistance Mutation Analysis (IRMA)			Next Generaon Sequencing (NGS)	Blood or Bone marrow in EDTA 3 ml	14 working days
16	MPN Panel- JAK2 14, JAK2 12, CALAR & MPN			Next Generaon Sequencing (NGS)	Blood or Bone marrow in EDTA 3 ml	14 working days
17	OncoHeamato Leukemia NGS Panel DNA or RNA any one	40 DNA or 29 RNA Genes		Next Generaon Sequencing (NGS)	Blood or Bone marrow in EDTA 3 ml	14 working days
18	P53 Gene Panel			Real Time PCR	3 ml EDTA Blood	12 working days
19	BCR ABL 1			Real Time PCR	3 ml EDTA Blood	12 working days