



ONCOLOGY CLINICAL GENOMICS TEST MENU

ONCOLOGY

SI No	TYPE OF CANCER	TEST NAME	TEST COMPONENT	METHOD / PLATFORM	SAMPLE TYPE	TAT
1	Colorectal	Colorectal CA (Essential Panel)	Microsatellite instability (MSI) + BRAF V600E	Fragment length and Next Generation 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+NRAS	Fragment length and Next Generation 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	Immunohistology- chemistry of ER, PR and Her2	Immunohistochemistry (IHC)	Tumor FFPE block	7 working 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 Generation Sequencing (NGS)	1. HBOC syndrome patient: Whole blood in EDTA (3ml). 2. Eligibility for Olaparib (FFPE block).	30 working days
		Solid Tumour Panel	Mutations: ESR1, PIK3CA, PTEN. Copy number variation: CCND1.	Next Generation Sequencing (NGS)	Tumor FFPE block	14 working days

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3	Lung	EGFR by NGS	EGFR all exons	Next Generation 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 Generation 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	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)	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.	NGS	Tumor FFPE block	14 working days
5	GIST	Solid CA-GIST Panel	Sequencing: cKIT,PDGFRA	NGS	Tumor FFPE block	14 working days
6	Oropharynx	HPV-Oral HPV 16/18	HPV 16/18	Real Time PCR	Tumor FFPE block	7 working days
7	Cervical Cancer	HPV 16/18	HPV 16/18	Real Time PCR	Cervical swab	4 working days
		HPV-high risk strains	HPV-high risk strains	NGS	Cervical swab	12 working days
8	Solid Basic- 52 Genes Panel	Covers 52 Genes of Solid Tumors	52 Genes	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	NGS	Tumor FFPE block	17 working days

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10	Leukaemia 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 Leukaemia Covered 40 DNA & 29 RNA (Fusion genes)	NGS	Blood or Bone marrow in EDTA 3 ml	12 working days
11	Hereditary Cancer Gene Panel 152 Genes		Covers Hereditary Cancers	NGS	Blood or Bone marrow in EDTA 3 ml	23 working days
12	Hereditary Breast & Ovarian Cancer Panel - HBOC Panel	BRCA 1&2, ATM, PALB2, TP53, BRIP1, CDH1, CHEK2, NBN, PTEN, RAD1C, RAD1D, XRC2, STK11	Covers Hereditary Breast & Ovarian Cancer	NGS	Blood in EDTA 3 ml	23 working days
13	Leukaemia NGS Panel DNA Genes + RNA Fusions	69 Genes covered of Leukaemia 40 DNA Genes & 29 RNA (Fusion genes)	ALL, AML, MDS/MPN, PMF, CEL, BPDCN, JMML, TAM, MNGP, CMML, t-MNs, Mastocytosis, CNL, ET, APL, PV& aCML are covered.	NGS	Blood or Bone marrow in EDTA 3 ml	14 working days
14	HRR Gene Panel	Ovarian & Pancreatic Cancer Somatic Genes		NGS	Good Quality FFPE Block	23 working days

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