

## تست های مولکولی عفونی

نام تست	نام تست
HPV Genotyping ( 36types)	STD ( 11 types)
HPV Screening	VZV
HBV Qualitative	Toxoplasma gondii
HBV Quantitative	Ureaplasma urealyticum
HCV Qualitative	Chlamydia Trachomatis
HCV Quantitative	EBV
HCV-Genotyping	Rubella
HIV Qualitative	HDV
HIV Quantitative	CMV
HTLV1 Qualitative	TB
HTLV1 Quantitative	HSV I,II

## تست های مولکولی سرطان

نام تست	نام تست
BCR/ABL (P190/P210/230)	PML/RAR t(15,17)
JAK2 mutation (Exon 12,14)	NPM1
Inv(16)	FLT3
AML/ETO t(8,21)	MPL
MLL/AF4 t(4,11)	NRAS-KRAS
CALR	BRAF

## تست های مولکولی ترمبوفیلی و سقط مکرر

نام تست	نام تست
MTHFR (C677T/A1298C)	Factor XIII V34L
Factor II (G20210A)	PAI (4G/5G)
Factor V Leiden(G1691A)	Fibrinogen (G455A)
Antithrombin III (G1246T)	HLA Typing (A,B,C,DR, B5, B27, B51, B18)
<b>Thrombophilia Panel (MTHFR, Factor II , Factor V, PAI)</b>	

تست های مولکولی سرطان

ردیف	نام بیماری	روش انجام	تعداد ژن مورد مطالعه	ژن های مورد مطالعه
1	Genetic Colon cancer and polyposis syndrome panel	NGS Panel	15 Genes	APC, BMPR1A, ENG, EPCAM, FLCN, MLH1, MSH2, MSH3, MSH6, MUTYH, PMS1, PMS2, PTEN, SMAD4, STK11 DNA Test
2	Colon cancer non-polyposis panel	NGS Panel	5 Genes	MSH2, MLH1, MSH6, PMS2, EPCAM
3	Colon cancer with polyps panel	NGS Panel	6 Genes	APC, BMPR1A, MUTYH, PTEN, SMAD4, STK11
4	Genetic Megaloblastic anemia panel	NGS Panel	3 Genes	AMN, CUBN, GIF DNA Test
5	BRCA1/BRCA2 panel	NGS Panel	2 Genes	BRCA1, BRCA2
6	Gastric cancer panel, targeted	NGS Panel	9 Genes	BMPR1A, CDH1, EPCAM, MLH1, MSH2, MSH6, PMS1, PMS2, SMAD4
7	Myeloid Tumor Panel	NGS Panel	53 Genes	ABL1 (Ex4-Ex6), ASXL1 (Ex12), BRAF (Ex15), CALR (Ex09),...
8	Pancreatic cancer panel, targeted	NGS Panel	14 Genes	APC, ATM, BMPR1A, CDKN2A, EPCAM, MLH1, MSH2, MSH6, PALB2, PMS1, PMS2, PRSS1, SMAD4, STK11
9	Renal cancer panel, targeted	NGS Panel	19 Genes	EPCAM, FH, FLCN, HNF1A, HNF1B, MET, MITF, MLH1, MSH2, MSH6, PMS1, PMS2, PTEN, SDHB, SDHD, TSC1, TSC2, VHL, WT1
10	Skin cancer panel, targeted	NGS Panel	12 Genes	CDKN2A, EPCAM, MC1R, MITF, MLH1, MSH2, MSH6, PMS1, PMS2, POT1, PTCH1, XRCC3
11	Solid Tumor Panel	NGS Panel	62 Genes	ABL1, AKT1, ALK, APC, AR, ARID1A, ASXL1, ATM, ...

## تست های مولکولی سرطان

ردیف	نام تست	بیماری مورد مطالعه	روش	ژن مورد مطالعه
1	BCR-ABL1	Chronic myelogenous leukemia (CML) or Ph+ acute lymphoblastic leukemia (ALL)	RT-PCR	Gene –BCR-ABL
2	CEBPA Mutation	Determine prognosis in patients with newly diagnosed cytogenetically normal acute myelogenous leukemia (CNAML)	Sequencing	Gene –CEBPA
3	EGFR Mutation Detection	Predicts response to tyrosine kinase inhibitor (TKI) therapy	Sequencing	Gene –EGFR
4	KIT Mutation	prognostic, and predictive information for AML Mastocytosis Gastrointestinal stromal tumors (GIST) Melanoma	Sequencing	Gene – KIT
5	KRAS Mutation	metastatic colorectal cancer (CRC) to guide treatment with anti-EGFR	Sequencing	Gen-KRAS
6	NRAS Mutation	metastatic colorectal cancer (CRC) to guide treatment with anti-EGFR	Sequencing	Gene-NRAS
7	PML-RARA Translocation	PML-RARA Translocation In AML3	RT-PCR	Gene-PML-RARA