



A new road map
in cancer management and treatment
through personalized test solutions





Determine your predisposition for cancer with OnkoGenetiks™ Hereditary Cancer Screening test!

Pathogenic variants in cancer susceptibility genes increase an individual's lifetime risk of developing cancer. Early detection of pathogenic variants in genes predisposing to cancer is a fundamental step for the early diagnosis and treatment of individuals and families with hereditary cancer syndromes.

The OnkoGenetics Hereditary Cancer Screening panel comprehensively analyzes 275 genes associated with cancer disease using next-generation sequencing technology, identifies all clinically significant changes, and allows the patient's treatment options to be expanded in the event of a possible malignant tumor detection. The panel includes many cancer-related genes, especially breast, ovarian, colorectal, prostate, stomach, pancreatic, and endometrial cancers.

Using next-generation sequencing technology, it can detect very low-frequency variations in cancer-related genes, while enabling more efficient and reliable targeting of specific genes or mutations.

Who should perform OnkoGenetiks Hereditary Cancer Test?

- Individuals having a positive personal history of early-onset cancer or multiple primary cancers
- Unaffected individuals with a positive family history of multiple generations of cancers
- Individuals in whom the genetic diagnoses for a suspected familial cancer risk are not covered by a single targeted panel.

Why OnkoGenetiks Hereditary Cancer Panel?

- It is very comprehensive since it analyzes 275 genes associated with hereditary cancers using next-generation sequencing technology (NGS). Thus, the answer is provided for a suspected hereditary cancer risk with a single target panel.
- It is an economical solution with a fast result period of 14- 21 workdays. All steps of the test are performed and reported in Genetiks Genetic Diseases Diagnosis Center.
- The test is specific for each person and clinicians can offer more personalized treatments to many cancer patients based on their genetic characteristics.
- It is quite extensive to detect unaffected individuals with a family history of cancer for more than one generation.
- It helps to determine possible treatment (therapeutic) options and drug targets for patients with a history of primary cancer.
- A personalized genetic report is prepared after the examination of patient's clinical reports and family history by genetics experts.
- Comprehensive genetic counseling is provided to the patient after reporting.

General Workflow for OnkoGenetiks Hereditary Cancer Panel:

OnkoGenetiks Hereditary Cancer Panel uses the latest genome analysis technologies (Illumina NextSeq 550 Dx) to ensure the sequencing of 275 genes with high precision. Our professional team of experts perform quality management by monitoring and controlling each stage of the analysis to obtain the most accurate and reliable results. The most up-to-date genome databases are used for clinical and bioinformatics analyses of the results.

The general workflow for hereditary cancer panel is outlined as the following:



OnkoGenetiks Comprehensive Cancer Screening test panel covers a total of 275 genes associated with several cancers including breast, ovary, uterus, prostate, gastric and colorectal.

Genetics Hereditary Cancers Broad Screening Panel

ABL1	BAP1	CD79A	CYLD	FAM46C	GATA2	IRF4	MDM2	NOTCH1	PMS2	ROS1	SUZ12
ACVR1B	BCL2	CD79B	DAXX	FANCA	GATA3	JAK1	MDM4	NOTCH2	POLD1	RUNX1	TAL1
AKT1	BCL2L1	CDC73	DDR2	FANCC	GEN1	JAK2	MED12	NOTCH3	POLE	SDHB	TCF3
AKT2	BCL6	CDH1	DICER1	FANCD2	GNA11	JAK3	MEF2B	NPM1	PPM1D	SETBP1	TERT
AKT3	BCOR	CDK12	DNM2	FANCE	GNAQ	KAT6A	MEN1	NRAS	PPP2R1A	SETD2	TET2
ALK	BCORL1	CDK4	DNMT3A	FANCF	GNAS	KDM5C	MET	NSD1	PRDM1	SF3B1	TGFBR2
AMER1	BCR	CDK6	DOT1L	FANCG	GREM1	KDM6A	MITF	NSD2	PRKAR1A	SMAD2	TNFAIP3
APC	BIRC3	CDKN2A	EED	FAS	GRIN2A	KDR	MLH1	NTRK1	PRKDC	SMAD4	TNFRSF14
AR	BLM	CDKN2B	EGFR	FBXW7	H3F3A	KEAP1	MPL	NTRK2	PRSS1	SMARCA4	TP53
ARAF	BRAF	CDKN2C	EGLN1	FGF4	HGF	KIT	MRE11	NTRK3	PTCH1	SMARCB1	TRAF3
ARID1A	BRCA1	CEBPA	EP300	FGF6	HIST1H3B	KMT2A	MSH2	PAK3	PTEN	SMC1A	TSC1
ARID1B	BRCA2	CHEK1	EPAS1	FGFR1	HNF1A	KMT2B	MSH6	PALB2	PTPN11	SMC3	TSC2
ARID2	BRIP1	CHEK2	EPHA3	FGFR2	HOXB13	KMT2C	MTOR	PAX5	RAC1	SMO	TSHR
ASXL1	BTBK	CIC	EPHA5	FGFR3	HRAS	KMT2D	MUTYH	PBRM1	RAD21	SOC31	U2AF1
ATM	CALR	CREBBP	ERBB2	FGFR4	HSP90AA1	KRAS	MYC	PDGFRA	RAD50	SOX2	U2AF2
ATR	CARD11	CRLF2	ERBB3	FH	ID3	LRP1B	MYCL	PDGFRB	RAD51	SOX9	VHL
ATRX	CBL	CSF1R	ERBB4	FLCN	IDH1	MAP2K1	MYCN	PHF6	RAF1	SPOP	WT1
AURKA	CBLB	CSF3R	ERG	FLT3	IDH2	MAP2K2	MYD88	PIK3CA	RB1	SRC	XP01
AURKB	CBLC	CTCF	ESR1	FLT4	IGF1R	MAP2K4	NF1	PIK3R1	RET	SRSF2	XRCC2
AURKC	CCND1	CTNNA1	ETV6	FOXL2	IKZF1	MAP3K1	NF2	PIK3R2	RHEB	STAG2	XRCC3
AXIN1	CCND3	CTNNA1	EXO1	FUBP1	IKZF3	MAP3K14	NFE2L2	PIM1	RHOA	STAT3	ZNF217
AXIN2	CCNE1	CUX1	EZH2	GALNT12	IL7R	MAPK1	NFKBIA	PLCG1	RIT1	STK11	ZRSR2
B2M	CD274	CXCR4	FAM175A	GATA1	INHBA	MCL1	NKX2-1	PMS1	RNF43	SUFU	





Tests performed in **Turkey**



Fast Turn-around time: **14-21 days**



More than 17 years of experience in the field of molecular diagnostics and oncology



Personalized genetic counseling with experts on the results of genetic tests



Certified and accredited laboratories with the latest technology equipment



Tests and quality service **available worldwide**

Oncogenetiks tests, using next generation gene technologies and scientific data to provide physicians with the most presents current diagnosis and treatment options.

Genetiks Genetic Diseases Diagnostic Center is an authorized and licensed laboratory by the Ministry of Health of Turkey. Genetiks recommends that all genetic tests, requests and follow-ups be performed in a genetic diagnosis center and under the control of medical geneticists.

GENETiKS®
THE CODE OF LIFE

GENETİKS
Genetiks Genetic Diseases
Diagnosis Center & Laboratories
Teşvikiye Mah. Hakkı Yeten Cad.
Terrace Fulya Center 2 No:13 Kat 4,
Şişli, 34365 İstanbul/Türkiye

www.genetiks.com.tr

☎ +90 (212) 275 70 20
☎ +90 (212) 275 70 08
✉ info@genetiks.com.tr

CALL CENTER ☎ 09:00 - 18:30

0(850)210 49 73