HEVA pro

Hereditary and somatic variants profiling in breast and ovary cancer

CE IVD

4bases HEVA pro **is a CE-IVD kit** designed for the identification of mutations in genes associated with hereditary breast and ovarian cancer (HBOC), Lynch syndrome (HNPCC), familial adenomatous polyposis (FAP), and other hereditary tumor syndromes.

HEVA pro includes genes involved in homologous recombination repair (HRR), mismatch repair (MMR), and other key pathways in cancer predisposition—such as tumor suppressor genes, rare syndrome-associated genes, and actionable oncogenes with therapeutic relevance.

Ideal for profiling **hereditary and somatic variants** in cancer-related diseases, supporting **risk stratification and therapy selection.**

The kit is validated for germline and somatic analysis (SNVs, CNVs) of DNA extracted from blood samples and cancer tissues (fresh, frozen or FFPE).

HEVA pro allows to detect variants linked to **50 genes**:

List of genes of HEVA pro kit

ATM	MSH2	RAD51C	XRCC2	KRAS
APC	XPC	RAD51D	NF1	ERBB2
BARD1	SMAD4	STK11	SPRED1	ALK
BRCA1	MSH6	TP53	MEN1	EGFR
BRCA2	MUTYH	WRN	RET	RB1
BRIP1	NBN	HRAS	SMARCB1	CDKN2A
CDH1	PALB2	FAM175A	NF2	CDK4
CHEK2	PMS2	MRE11	PTCH1	FLCN
EPCAM	PTEN	PIK3CA	LZTR1	RUNX1
MLH1	RAD50	PMS2CL	CTNNB1	CDKN1C

From DNA to Final data in less than 2,5 days with less than 3 hours hands-on time.

From gDNA | PCR UDI | Hybridization | Enrichment PCR | Final library | NGS | to FINAL DATA

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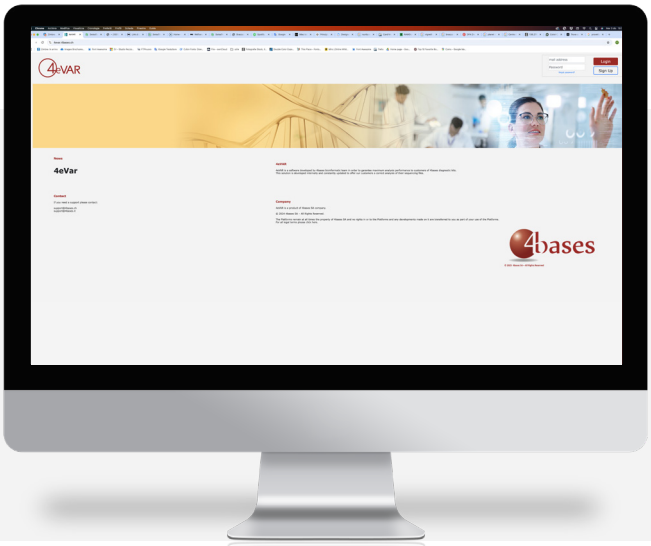
Specifications

Sample type	DNA extracted from tissues, blood or body fluids
Input	Minimum of 50 ng DNA per sample
Panel size	About 15 Kb
Variant called	SNPS, indels, CNVs
Instrument Type	Illumina, MGI, Oxford Nanopore Techologies, Ion Torrent, Element Biosciences
Data Analysis	4eVAR
Automation version	Customizable

Cod. kit

Product	Cod.	Tests number
HEVA pro	C3040-16	16
HEVA pro	C3040-96	96



4eVAR: Comprehensive output files for analysis and reporting

- Quality metrics
- Alignment
- SNPs, indels analysis
- CNVs status
- Full variant table
- Genotype
- Coverage
- Mitochondrial analysis
- Customizable report

Data Analysis

Product	Cod.	Tests number
4eVAR	A6060-C3040-16	16
4eVAR	A6060-C3040-96	96

If you wish to learn more:

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When Precision Matters