

BRaCA_{panel}

Hereditary and somatic profiling in BRCA-related cancers



4bases BRaCA panel is a **CE-IVD amplicon-based** kit for rapid and cost-effective identification of germline and somatic variations (SNVs, indels, CNVs) in **BRCA-related cancer**.

It allows the identification of mutations in BRCA1 and BRCA2 genes through **Next Generation Sequencing(NGS)**.

The kit is validated for the analysis of **DNA extracted from blood and tissue samples** (fresh, frozen or FFPE).

4bases BRaCA panel allows for **precise, reliable, and effective results, speeding up** the activity of clinical reporting.

From DNA to sequencing in less than 1 day with less than 2 hours hands-on time.



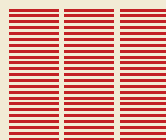
From gDNA



Enrichment PCR



Indexing PCR



Final library



Sequencing



Final Data

Straightforward protocol

Tailor-made protocol for operator's time schedule, presence of many stopping points, reduced hands-on time

Sequencing platform flexibility

Common overall protocol for different sequencing applications (Illumina, MGI, Oxford Nanopore Technologies, Ion Torrent, Element Biosciences)

Platform 4eVAR

Safe and secure data analysis via 4bases proprietary solution, with a continuous experienced customer support

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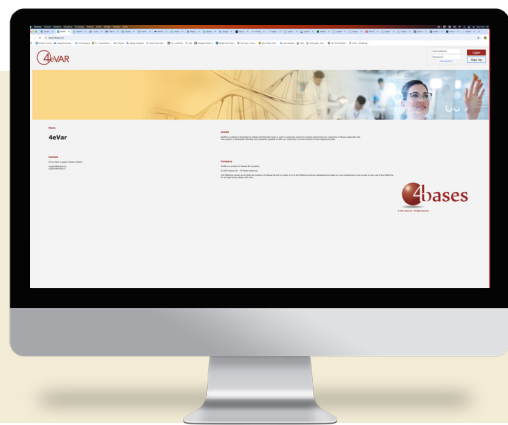
Specifications

Sample type	DNA extracted from cancer tissues (fresh, frozen or FFPE) or body tissues (blood or other)
Input	Minimum of 10 ng DNA per sample
Panel size	30 kb
Gene content	BRCA1, BRCA2 coding regions (including of 25 bp proximal to the 3' and 5' end)
Variant called	SNPS, indels, CNVs
Instrument Type	Illumina, MGI, Oxord Nanopore Technologies, Ion Torrent, Element Biosciences
Data Analysis	4eVAR

Cod. kit

Product	Cod.	Tests number
BRaCA panel	H1070-16	16
BRaCA panel	H1070-96	96

4eVAR: Comprehensive output files for analysis and reporting



- Quality metrics
- Genotype
- Alignment
- Coverage
- CNVs status
- Customizable report
- Full variant table

Data Analysis

Product	Cod.	Tests number
4eVAR	A6060-H1070-16	16
4eVAR	A6060-H1070-96	96

If you wish to learn more:



Contact us at: info@4bases.ch
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