

BRaCA screen

Hereditary and somatic profiling in BRCA and TP53-related cancers

4bases BRaCA screen is **RUO kit** for rapid and cost-effective identification of germline (SNVs, indels, CNVs) and somatic variants in **BRCA-related cancer**, including **TP53 for broader oncogenetic profiling**.

It allows the identification of mutations in BRCA1, BRCA2 and TP53 genes through **Next Generation Sequencing (NGS)**.

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

4bases BRaCA screen allows for **precise, reliable, and effective results, speeding up** genomic data analysis workflows.

From DNA to Final data in less than 2.5 days with less than 3 hours hands-on time.



From gDNA



PCR UDI



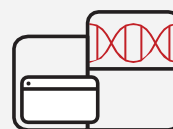
Hybridization



Enrichment PCR



Final library



NGS



to FINAL DATA

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, GeneMind)

Platform 4eVAR

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

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Specifications

Sample type	DNA extracted from tissues, blood or body fluids
Input	Minimum of ng DNA per sample: 10ng per pool (total 30ng)
Panel size	About 42 kb
Variant called	SNVs, indels, CNVs
Compatible Instruments	Illumina, Oxford Nanopore Technologies, Ion Torrent, Element Biosciences, MGI, GeneMind
Data Analysis	4eVAR

Cod. kit

Product	Cod.	Tests number
BRaCA screen RUO	RS2000 - RS2000Y	16
BRaCA screen RUO	RS2000 - RS2000Y	96

4eVAR: Comprehensive output files for analysis and reporting



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

Data Analysis

Product	Cod.	Tests number
4eVAR	Series A6060-S2000-16	16
4eVAR	Series A6060-S2000-96	96

If you wish to learn more:



Contact us at: info@4bases.ch
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