

Onco500^{pro}

Comprehensive somatic solution for cancer

Onco500 pro is an advanced NGS-based capture kit for the analysis of more than **500 genes** associated with **somatic alterations** in cancer.

The kit enables the preparation of sequencing libraries from **both DNA and RNA** for the detection of single-nucleotide variants, insertions and deletions, copy-number alterations, gene fusions and transcript alterations.

Sequencing data may also be processed using dedicated pipelines available in the 4eVAR software for the assessment of immuno-oncology biomarkers, such as **microsatellite instability (MSI)**, **tumor mutational burden (TMB)**, and genomic instability associated with **homologous recombination deficiency (HRD)**.

Onco500 supports DNA-only, RNA-only, or integrated DNA+RNA analysis.

The kit is intended for the analysis of DNA and RNA extracted from tissues, blood, body fluids, FFPE samples, and liquid biopsies.

 **Curious about the full gene list?** Contact our support team for the complete panel details.
support@4bases.ch

4bases Onco500 pro 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

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Specifications

Sample type	DNA & RNA extracted from tissues, blood, body fluids, FFPE samples, and liquid biopsies
Input	Minimum of 50 ng DNA per sample Minimum of 1 ng RNA per sample
Panel size	About 11 Mb
Variant called	SNPs, indels, CNVs, fusions, TMB, MSI and HRD
Compatible Instruments	Illumina, Oxford Nanopore Technologies, Element Biosciences, MGI, GeneMind, Salus
Data Analysis	4eVAR

Cod. kit

Product	Cod.	Tests number
Onco500 pro	RCCSTM052-96	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	A6060-RCCSTM052-96	96

If you wish to learn more:



Contact us at: info@4bases.ch
4bases SA – www.4bases.ch