WholEX pro

Whole exome NGS kit

4bases WholEX pro is a **capture-based kit** designed for high-resolution analysis of the human exome in clinical and research settings.

It targets the coding regions of **over 22,000 genes**, covering more than 99% of known protein-coding sequences, with the option to include mitochondrial genes based on MitoMap references. This broad coverage supports the investigation of a wide range of genetic disorders, both common and rare.

The kit enables the simultaneous detection of single nucleotide variants (SNVs) and copy number variations (CNVs) through **Next Generation Sequencing (NGS)** from germline DNA extracted from blood or fresh/frozen tissue samples.

4bases WholEX 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.

4bases SA – www.4bases.ch

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Precision Matters

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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 40 Mb
Variant called	SNPS, indels, CNVs
Compatible Instruments	Illumina, MGI, Oxford Nanopore Technologies, Ion Torrent, Element Biosciences, GeneMind
Data Analysis	4eVAR
Automation version	Available

Cod. kit

Product	Cod.	Tests number
WholEX pro	RC3130, RDC3130, RC3130Y	16 & 96
WholEX pro Automatic	RC3130A	16 & 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-RC3130-16	16
4eVAR	Series A6060-RC3130-96	96

If you wish to learn more:

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

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