

WES_{pro}

Kit for NGS library preparation for whole exome sequencing

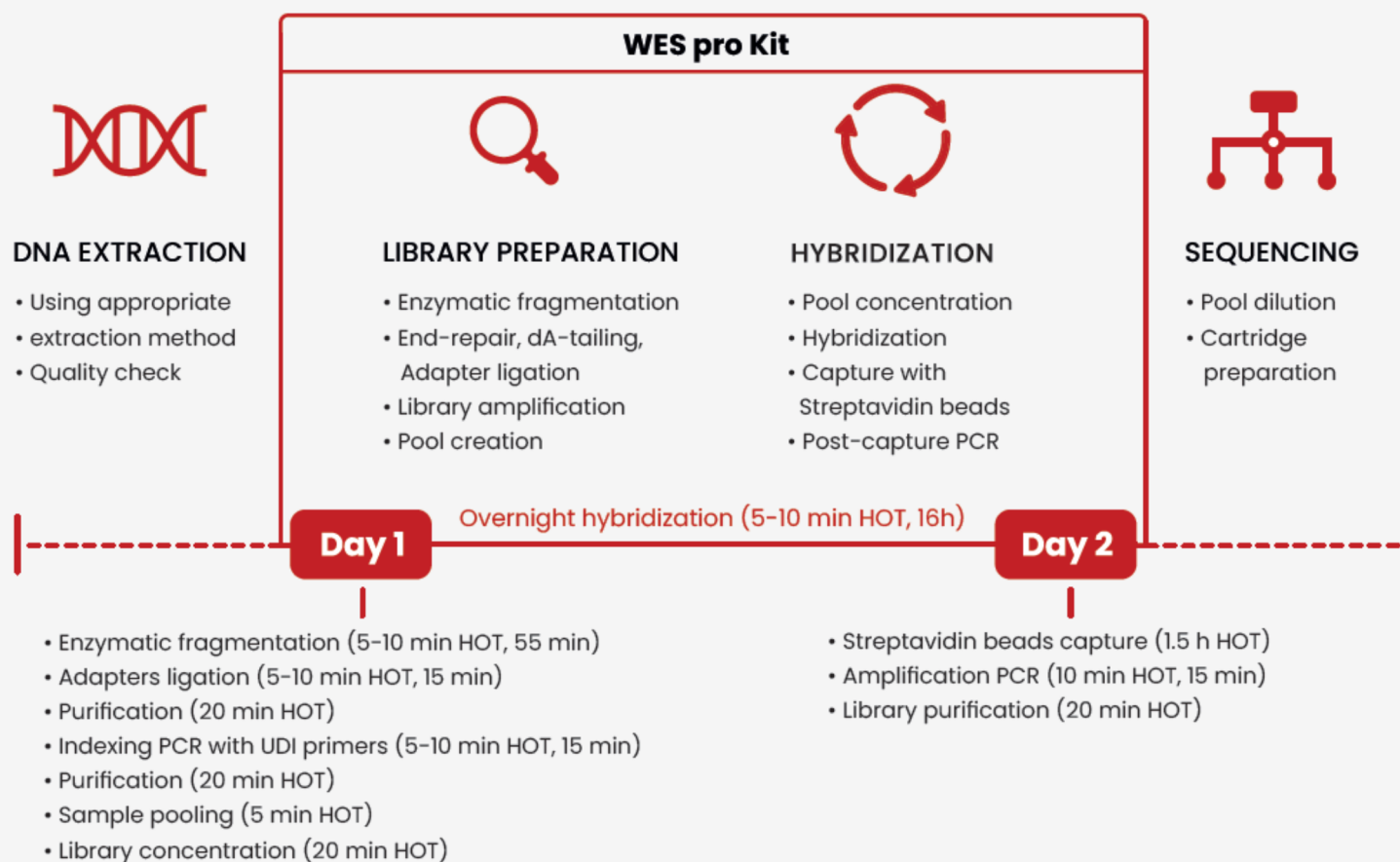


WES pro is an in-vitro diagnostic medical device for the enzymatic fragmentation, library preparation, target enrichment and targeted capture of the coding regions of **more than 22,000 genes** of the human genome (>99% of protein coding genes) with optional coverage of mitochondrial genes (ref. MitoMap).

The kit enables us to **prepare exome libraries compatible with Next Generation Sequencing (NGS)** from germline DNA samples (blood or tissues).

WES Pro is an **IVDR-certified** class A product — ensuring the highest standards and quality for the exome-enriched library preparation in a laboratory workflow.

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



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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
Instrument Type	Illumina, Oxford Nanopore Technologies, Element Biosciences, MGI

Cod. kit

Product	Cod.	Tests number
WES pro	C4130-16	16
WES pro	C4130-96	96

For a comprehensive workflow

Laboratories must perform additional validation when integrating the WES Pro Kit for diagnostic applications. 4bases partners with Platomics to support customers in validating and certifying the entire process under IVDR. To support secondary analysis, 4bases also offers its proprietary software, 4eVAR, which can be validated by laboratories as part of the overall diagnostic workflow.

The software enables the customer to obtain:



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

Data Analysis

Product	Cod.	Tests number
4eVAR*	Series A6060-C4130-16	16
4eVAR*	Series A6060-C4130-96	96

*The bundle of WES pro and 4eVAR is not IVDR-certified

If you wish to learn more:



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