

TP53 panel

Hereditary and somatic profiling in TP53-related cancers

4bases TP53 panel is an **amplicon-based** kit for rapid and cost-effective identification of germline and somatic mutations (SNVs, indels, CNVs) of TP53-related cancers.

It allows the identification of mutations in TP53 gene through **Next Generation Sequencing (NGS)**.

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

4bases TP53 panel allows for **precise, reliable, and effective results, speeding up** genomic data analysis workflows.

From DNA to sequencing in less than 1.5 days with less than 2 hours hands-on time.



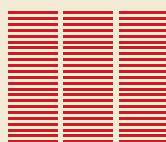
From gDNA



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, 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 body tissues and blood
Input	Minimum of 10 ng DNA per sample
Panel size	3.6 kb
Gene content	TP53 coding regions (including 25 bp proximal to the 3' and 5' end)
Variant called	SNPS, indels, CNVs
Compatible Instruments	Illumina, Oxford Nanopore Technologies, Ion Torrent, MGI, Element Biosciences, GeneMind
Data Analysis	4eVAR

Cod. kit

Product	Cod.	Tests number
TP53 panel	RH1040	16
TP53 panel	RH1040	96

4eVAR: Comprehensive output files for analysis and reporting



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

Data Analysis

Product	Cod.	Tests number
4eVAR	A6060-RH1040-16	16
4eVAR	A6060-RH1040-96	96

If you wish to learn more:



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