

# RIDS<sub>pro</sub>



For the screening of genetic variations involved in immune pathways

4bases RIDS Pro is a **CE-IVD** kit, a high-resolution, NGS-based capture panel designed to investigate genetic variations involved in immune pathways and support personalized medicine. RIDS Pro enables the detection of germline variants in key **immune signaling pathways**: cytokine signaling, interferon pathways, innate immune activation, immune checkpoints, and antigen processing and presentation.

By integrating RIDS Pro into transplant and infectious disease workflows, clinicians gain critical insights into the patient's **immunogenetic landscape**. This enables personalized treatment plans, proactive risk management, and ultimately supports improved outcomes for **infectious disease prevention**. Validated for germline analysis (SNPs, indels, CNVs) of DNA extracted from blood or tissue samples.

## RIDS Pro covers 83 curated immune-related genes

|         |        |         |          |         |
|---------|--------|---------|----------|---------|
| ACE2    | FCGR2A | IFNL2   | SMURF1   | TYK2    |
| ADAMTS1 | FLG    | IFNL3   | SMURF2   | UBE2V1  |
| APOE    | FURIN  | IFNLR1  | STAT1    | UNC93B1 |
| CCL2    | FYCO1  | IFNW1   | STAT2    | VWF     |
| CCL5    | GATA2  | IFRD1   | TBK1     | WWP1    |
| CCR1    | HECW2  | IL18    | TICAM1   | WWP2    |
| CCR2    | ICAM3  | IRF3    | TLR3     | XCRI    |
| CCR3    | IFIH1  | IRF7    | TLR4     |         |
| CCR9    | IFNA1  | IRF9    | TLR5     |         |
| CD14    | IFNA17 | LIMD1   | TLR7     |         |
| CD209   | IFNAR1 | LZTFL1  | TMEM189  |         |
| CHPF2   | IFNAR2 | MBL2    | TMPRSS2  |         |
| CXCR6   | IFNB1  | MX1     | TNF      |         |
| DBR1    | IFNE   | NEDD4   | TNFAIP3  |         |
| DPP4    | IFNG   | NLRP1   | TNFSF13B |         |
| DPP9    | IFNGR1 | OAS1    | TNRC6C   |         |
| ERAP2   | IFNGR2 | OAS2    | TRAF3    |         |
| F5      | IFNK   | OAS3    | TRAF3IP2 |         |
| FCER2   | IFNL1  | SLC6A20 | TRAF6    |         |

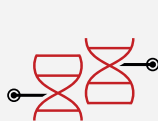
From DNA to Final data in less than 2,5 days with less than 3 hours hands-on time.



From gDNA



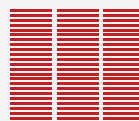
PCR UDI



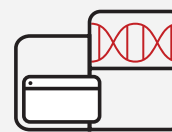
Hybridization



Enrichment PCR



Final library



NGS



to FINAL DATA

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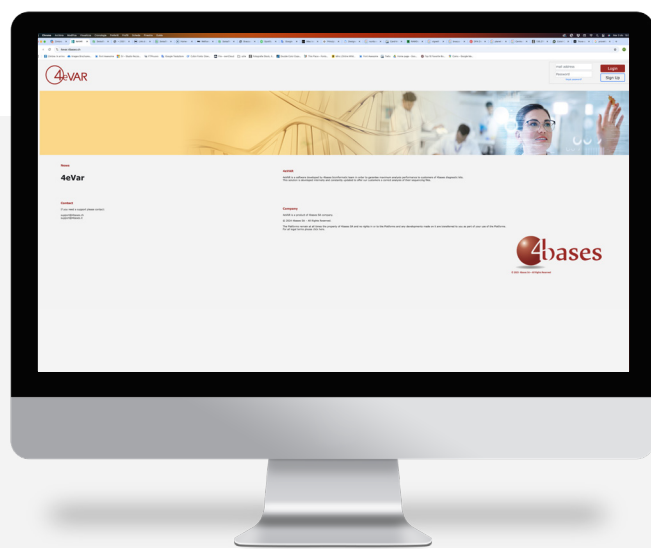
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## Specifications

|                           |   |
|---------------------------|---|
| <b>Sample type</b>        | DNA extracted from tissues, blood or body fluids                              |
| <b>Input</b>              | Minimum of 50 ng DNA per sample   |
| <b>Panel size</b>         | About 175 Kb  |
| <b>Variant called</b>     | SNPS, indels, CNVs  |
| <b>Instrument Type</b>    | Illumina, MGI, Oxford Nanopore Technologies, Ion Torrent, Element Biosciences |
| <b>Data Analysis</b>      | 4eVAR   |
| <b>Automation version</b> | Customizable  |

## Cod. kit

| Product  | Cod.            | Tests number |
|----------|-----------------|--------------|
| RIDS pro | Series C3000-16 | 16           |
| RIDS pro | Series C3000-96 | 96           |



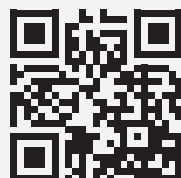
## 4eVAR: Comprehensive output files for analysis and reporting

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

## Data Analysis

| Product | Cod.                  | Tests number |
|---------|-----------------------|--------------|
| 4eVAR   | Series A6060-C3000-16 | 16           |
| 4eVAR   | Series A6060-C3000-96 | 96           |

**If you wish to learn more:**



**Contact us at:** [info@4bases.ch](mailto:info@4bases.ch)  
**4bases SA** - [www.4bases.ch](http://www.4bases.ch)