PRO line

RIDS pro

For the screening of genetic variations involved in immune pathways

4bases RIDS Pro is a high-resolution, NGS-based **capture** panel designed to investigate genetic variations involved in immune pathways and support of personalized medicine. RIDS Pro enables 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	XCR1
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.

RIDS pro

For the screening of genetic variations involved in immune pathways

Specifications

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

Cod. kit

Product	Cod.	Tests number
RIDS pro	RC3000, RDC3000, RC3000Y	16
RIDS pro	RC3000, RDC3000, RC3000Y	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-C3000-16	16
4eVAR	Series A6060-C3000-96	96

If you wish to learn more:

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

4bases
Precision Matters