IVF pro

For the carrier analysis and newborn screening of several hereditary diseases

IVF Pro Kit is a comprehensive genetic screening solution designed to **support reproductive health**. It is specifically developed for carrier screening, infertility assessment, and newborn screening, enabling the detection of a wide range of clinically relevant genetic conditions.

The panel includes genes associated with autosomal recessive inherited disorders, rare diseases, X-linked conditions and inherited cancer predisposition syndromes.

By identifying pathogenic variants in prospective parents or affected individuals, IVF Pro Kit aids risk assessment, genetic counselling, and informed reproductive decision-making.

The kit is validated for germline analysis (SNPs, indels, CNVs) of DNA extracted from blood or body tissues (fresh, frozen, FFPE, FNA) samples.

IVF pro is a kit for the analysis of 136 genes

ABCC8	ABCD1	ACADM	ACADVL	ALDOB	ANK1	ANXA5	APC	APOE	AR
ARSA	ASL	ASPA	ATM	ATP7A	ATP7B	BBS1	BBS10	BBS2	BCHE
BCKDHB	BDNF	BLM	BPY2	BRCA1	BRCA2	BTD	CAPN3	CBS	CDY1
CFTR	CHM	CLRN1	COL4A5	CPT2	CYP21A2	DAZ1	DAZ2	DAZ3	DAZ4
DDX3Y	DHCR7	DLD	DMD	DYSF	ELANE	ELP1	EPB42	ERCC6	F13A1
F2	F5	FAH	FANCC	FKTN	FMR1	FPN1	FSHR	G6PC	GAA
GALC	GALT	GBA	GCDH	GJB2	GLA	GLB1	GNE	HAX1	HBA1
HBA2	HBB	HEXA	HEXB	HFE	HFE2	HLA-G	HOGA1	HSPA4L	IDS
IDUA	IKAP	IL2RG	LAMA2	LHB	LHCGR	MCOLN1	MEFV	MMACHC	MPL
MTHFR	MTM1	MUTYH	MYO7A	NBN	NEB	NPC1	NPC2	NROB1	OTC
OTOF	PAH	PAI	PCDH15	PEX1	PJVK	PKD1	PKD2	PKHD1	PMM2
PRY	PRY2	RBMY	RMRP	RS1	RTEL1	RYR1	SLC22A5	SLC26A2	SLC26A4
SMN1	SMN2	SMPD1	TFR2	TH	TMEM216	USH2A	USP9Y	VHL	
MXRA5P1	TTTY15	KALP	SRY	GLA	RS1				

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 425 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
IVF pro	RC3100, RDC3100, RC3100Y	16
IVF pro	RC3100, RDC3100, RC3100Y	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-C3100-16	16
4eVAR	Series A6060-C3100-96	96

If you wish to learn more:

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

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