Flyer_H1060_rev1_04-05-26

CFTR panel

Hereditary variants profiling in cystic fibrosis

4bases CFTR panel is an **amplicon-based** kit for rapid and cost-effective identification of known and novel germline variations (CNVs, SNPs, indels, poly-T and TG repeats) in **CFTR gene**.

It allows the identification of the most common. Well-known causative mutations of the CFTR gene, new exonic and deep intronic variants, through **Next Generation Sequencing (NGS).**

The kit is validated for the analysis of DNA extracted from blood samples (also from dried blood spot).

4bases CFTR panel allows for **precise**, **reliable**, and **effective results**, **speeding up** the activity of clinical reporting.

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

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

4bases SA – www.4bases.ch

4bases
Precision Matters

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Specifications

Sample type	DNA extracted from blood samples (also dried blood spot)
Input	Minimum of 10 ng DNA per sample
Panel size	35 kb
Gene content	CFTR coding regions (including 25 bp proximal to the 3' and 5' end) and intronic variants
Variant called	CNVs, SNPs, indels, poly-T and TG repeats
Compatible Instruments	Illumina, Oxford Nanopore Technologies → CE-IVD kit options Ion Torrent, MGI, Element Biosciences, GeneMind → only RUO
Data Analysis	4eVAR

Cod. kit

Product	Cod.	Tests number
CFTR panel CE-IVD	H1060	16 & 96
CFTR panel RUO	RH1060	16 & 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-H1060-16	16
4eVAR	A6060-H1060-96	96

If you wish to learn more:

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

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