Microbiome Plus panel Long

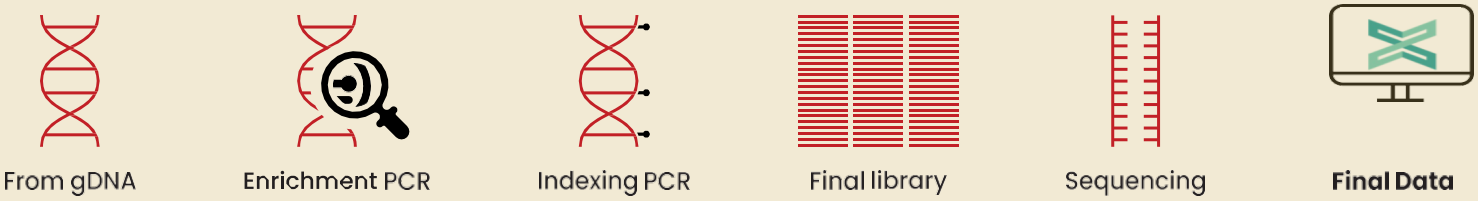
For the analysis and phylogenetic characterization of human and environmental microbiome

4bases MICROBIOME PLUS panel LONG is an amplicon-based kit for the molecular profiling of different human and environmental microbiome communities through a molecular protocol for Next Generation Sequencing (NGS) technologies on Oxford Nanopore platforms.

Genetic targets	Target microorganisms
16S V1-V2	Vaginal microbiome
16S V3-V4	Gut microbiome
16S V5-V6	Lactose enzymes
16S V7-V8- V9	Surface and soil microorganisms
18S (V1-V9) **ITS1, 5.8S, ITS2**	Fungi and Mold

Thanks to its long-read sequencing approach, the MICROBIOME PLUS panel LONG kit enables high-resolution metagenomic profiling and improved taxonomic classification. Ideal for both clinical (e.g., microbiome monitoring during cancer therapy) and environmental applications (e.g., surface swabs, soil analysis), the kit is also suited for investigating antimicrobial resistance (AMR) markers within complex microbial communities.

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

Long read sequencing
Enables species-level resolution and improved genome reconstruction in complex microbial communities, offering greater accuracy than short-read approaches.

One Codex Platform
Safe and secure data analysis to characterize microbial communities in clinical samples

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Specifications

Sample type	Human or environmental sample
Input	Minimum of 1 ng DNA per sample
Panel size	About 6 kb, requested 0.5Gb/sample
Gene content	16S,18S, ITS
Compatible Instrument	Oxford Nanopore Technologies
Data Analysis	One Codex
Automation scripts	Customizable

Cod. kit

Product	Cod.	Tests number
Microbiome Plus panel Long	RH1130L	16
Microbiome Plus panel Long	RH1130L	96

One Codex: Comprehensive output files for analysis and reporting

ONE CODEX is a software that allows the storage, management and analysis of genomic data deriving from **microbiological samples**.

- Targeted loci
- One Codex database
- Genome assembly
- Anti-Microbial Resistance panel

Data Analysis

Product	Cod.	Tests number	Distributed by
One Codex	AS03-RH1130L-16	16	4bases
One Codex	AS03-RH1130L-96	96	4bases

If you wish to learn more:

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

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