

Microbiome panel

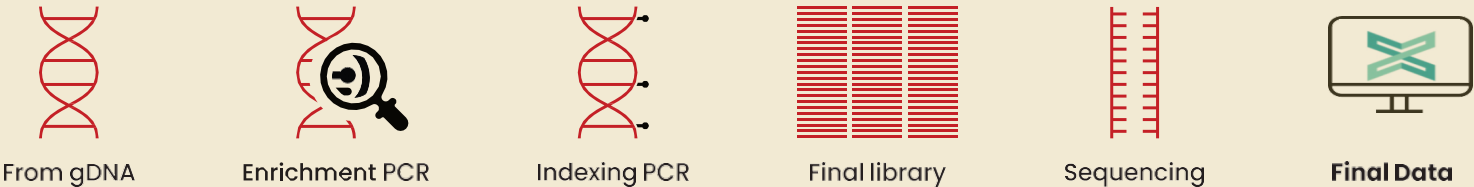
For the analysis and phylogenetic characterization of human microbiome communities

4bases MICROBIOME panel is an amplicon based for the molecular profiling of different human microbiome communities through a molecular protocol for Next Generation Sequencing (NGS) technologies.

GeneAc 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

The MICROBIOME panel kit enables targeted analysis of bacterial communities through sequencing of the 16S rRNA gene, offering a reliable and cost-effective solution for microbial profiling. Ideal for both clinical applications (e.g., microbiome monitoring during cancer therapy) and environmental studies (e.g., surface swabs, soil or water samples), the kit provides robust insights into microbial diversity and composition.

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, Ion Torrent, Element Biosciences, GeneMind)

One Codex Platform

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

Microbiome panel

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Specifications

Sample type	Human or environmental sample
Input	Minimum of 1 ng DNA per sample
Panel size	About 3 Kb, 500000 reads/sample needed
Gene content	16S
Compatible Instruments	Illumina, Ion Torrent, MGI, Element Biosciences, GeneMind
Data Analysis	OneCodex
Automation scripts	Customizable

Cod. kit

Product	Cod.	Tests number
Microbiome panel RUO	RH1050-16	16
Microbiome panel RUO	RH1050-96	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-RH1050-16	16	4bases
One Codex	AS03-RH1050-96	96	4bases

If you wish to learn more:



Contact us at: info@4bases.ch
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