



Ion GeneStudio S5
Semiconductor Sequencer

MICROBIOME

TESTING AVAILABLE ON ANY EXTRACTED DNA

FAST PRECISE COST EFFECTIVE



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MICROBIOME TESTING SERVICE

MICROBIOME

*Microbiome testing on
NGS data delivery in less
than 3 weeks*

Labospace Microbiome testing service is performed using **Next Generation Sequencing (NGS) on Ion GeneStudio™ S5** (ThermoFisher Scientific) platform enable to analyze mixed microbial populations by **sequencing 7** (V2, V3, V4, V6, V7, V8 and V9) **of the 9 hypervariable regions of the 16S rRNA bacterium.**

Extracted DNA samples from **stool, urine, saliva, skin, swabs** (vaginal, buccal, rectal, cutaneous, environmental) are routinely analyzed in our laboratory and we guarantee a delivery time of your data in less than 3 weeks.

ION GeneStudio™ S5
THERMO FISHER



MICROBIOME

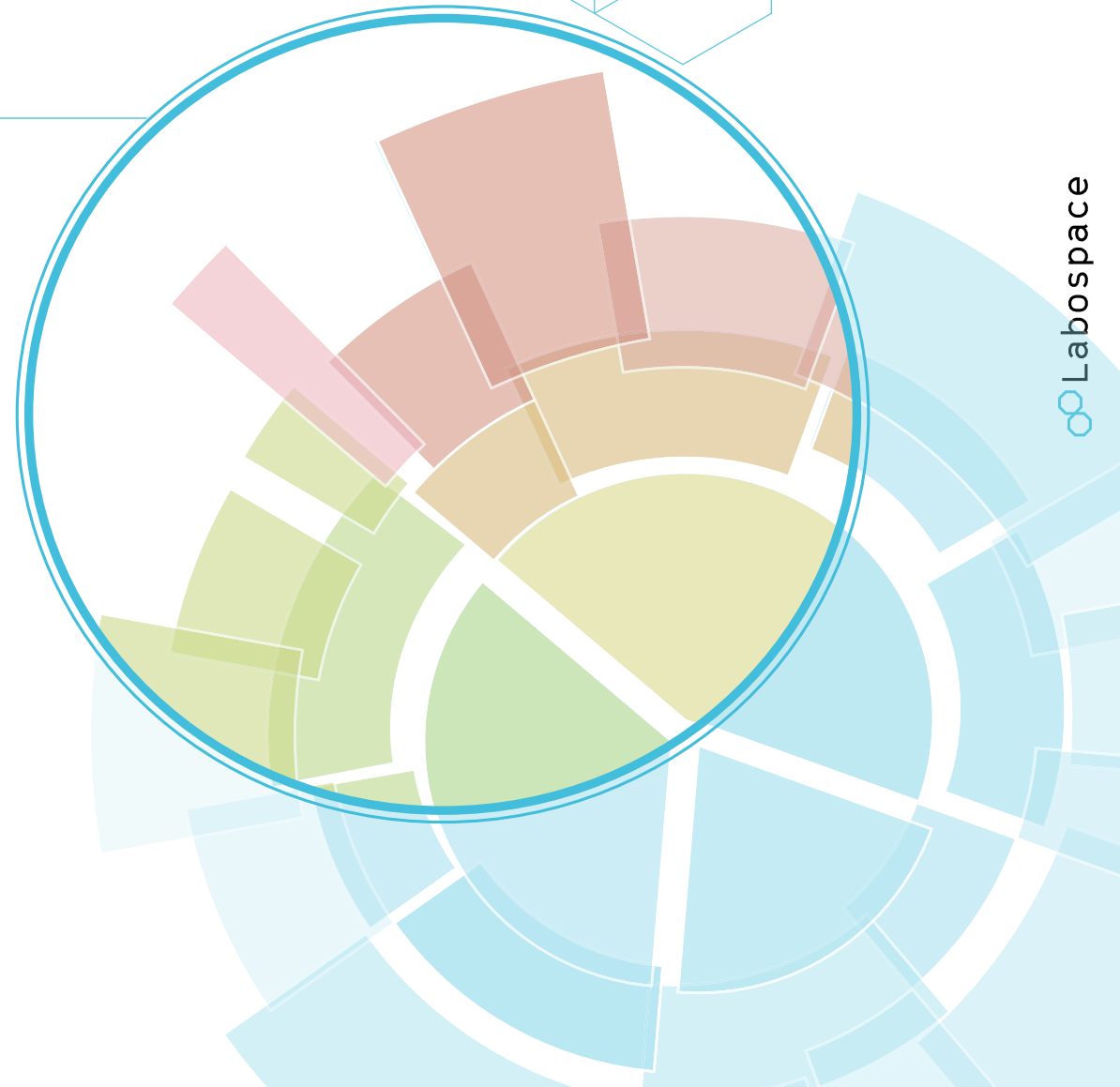
TESTING SERVICE

DETAILED BACTERIA MAP

Our base reporting software enables the microbes identification, at the **genus or species level**, present in complex polybacterial samples. Uses both the premium curated **MicroSEQ™ ID 16S rRNA reference database** and the curated Greengenes database.

We also provides **primer information, classification information, percent ID, and mapping information.**

With easy-to-use **interactive Krona chart displays**, you can interpret population diversity for your research at **any taxonomic level.**





MICROBIOME TESTING SERVICE



METAGENOMIC ANALYSIS

Labospace metagenomic analysis allows to assess the bacteria present in the various anatomic districts **qualitatively and quantitatively**.

Data template report delivered can be customized based on the specific research need, supported by the raw data file generated and the preliminary analysis made through ION Reporter.

The raw data can be provided

As FastQ or UBAM file

- 1** Analyzed by Ion Reporter software comprehensive of **MicroseqID** and **Greengenes** as Reference Database.
- 2** Analyzed by **RDB** (Ribosomal Database Project) customized Database software.



MICROBIOME

HOW IT WORKS

- **CONTACT** us and tell your needs to find a collaborative and consultative approach to your projects.
- **CONSULTATION** regarding the samples type and your general idea of the project is essential to define and set clear objectives and outcomes. Offered at no charge.
- **PROPOSAL** assay strategies.

● **S.O.W.** designed to meet your expectations.

SAMPLE COLLECTION AND SHIPMENT



Instructions on how handle, process, and ship the sample are key points for the assay success. Collection kits per samples type are available with a prompt delivery.

SAMPLE MANAGEMENT

Fully organized logistic and samples pick-up.



**DATA
DELIVERY**



REPORT EXAMPLES

Click one of the links below to download a full Labospace microbiome report example in .xls

SINGLE SAMPLE
DOWNLOAD REPORT

COMPARATIVE
DOWNLOAD REPORT

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