



FOCUS ON WHAT MATTERS!

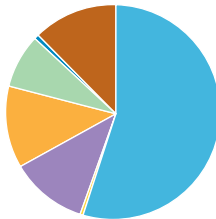
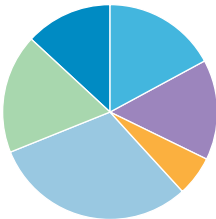
BifidoZoom profiles the relative abundance of bifidobacteria that are key for human health. Bifidobacteria play a major role in human health, from infancy through adulthood, constituting a significant part of the infant microbiome and maintaining their importance in adults. Poor bifidobacteria equilibria are associated with health issues. With BifidoZoom, you can obtain a rapid and detailed view of the most relevant members of the *Bifidobacterium* genus:

- *B. longum* subs. *longum*
- *B. longum* subs. *infantis*
- *B. animalis* subs. *animalis*
- *B. animalis* subs. *lactis*
- *B. bifidum*
- *B. breve*
- *B. adolescentis*
- *B. pseudocatenulatum*

BE PRECISE, MAXIMISE YOUR IMPACT!

BifidoZoom is the only test that allows you to measure small changes in *Bifidobacterium* profiles, without the need for sequencing, generating precise data that increases the impact of your research.

BifidoZoom is based on REM Analytics' Advanced Testing for Genetic Composition (**ATGC**), a combination of PCR and capillary electrophoresis. Measurements are direct and require no complex bioinformatic post-processing, providing a streamlined, efficient pathway to insightful measurements. REM Analytics received the Probiota Pioneer Award in 2024 for ATGC and its applications.



- ▶ *B. longum* subs. *longum*
- ▶ *B. animalis* subs. *animalis*
- ▶ *B. bifidum*
- ▶ *B. adolescentis*
- ▶ *B. longum* subs. *infantis*
- ▶ *B. animalis* subs. *lactis*
- ▶ *B. breve*
- ▶ *B. pseudocatenulatum*

Results show the relative abundance of each of the species and subspecies, given as percentages.

Example of results from stool samples. Results can be delivered in any required format. Basic support in preparing the data for publication (preparing graphs, statistical analysis...) can also be provided for larger sample volumes.



EASY TO USE

Designed with the end-user in mind, **BifidoZoom** offers a simple stool collection kit with instructions for use in multiple languages. The kit can be integrated with pre-paid return envelopes so study participants can post them directly to our laboratory. Each kit is identified by a unique QR code for traceability. Samples can be analysed quickly, with turnaround times of under 7 days. If you have an existing sample set that you wish to analyse, **BifidoZoom** can be used on samples collected using other kits that have been snap frozen or fixed. **BifidoZoom** can also be used to analyse other types of samples such as probiotic mixes, fermentation products, foods, and other human samples.

ENHANCING CLINICAL RESEARCH AND STUDIES

Bifidobacteria play a role in health and metabolism. Their profile (or changes in the profile) can be a clinical outcome, a stratification/inclusion criterion, or a dependent variable in a study. **BifidoZoom**, with its reliable and precise profiling, is the perfect tool for clinical research, allowing you to effectively monitor the result of nutritional, probiotic, or pharmaceutical interventions on the microbiome. It can also be used to stratify the patient population, thus increasing the statistical power of studies.

The accuracy of the test also increases the chances of accurately detecting microbiome-based clinical endpoints. The test always quantitatively measures the same microorganisms, making samples and data collected from multiple studies/study sites compatible. **BifidoZoom** can be used as follow-up analysis to 16s rRNA sequencing, metabolomics, or shotgun metagenomics, if bifidobacteria are suspected to play a key role. "Zooming-in" on the bifidobacteria in this way will provide a more detailed overview of the genera, as well as a targeted and independent measurement of bifidobacterial significance.

COMMITMENT TO QUALITY

Samples are analysed in batches, alongside positive controls containing all *Bifidobacterium* (sub)species in the target list to guarantee reproducibility across batches. The efficacy of the test has been validated in studies and clinical trials such as Nutrishield (<https://nutrishield-project.eu>). These results demonstrated the reproducibility of the method, the relevance of *Bifidobacterium* profiles as biomarkers, and precision that meets the requirements of the ISO 19344.

FLEXIBLE CUSTOMISATION AND COMPETITIVE PRICING

The modularity of ATGC assays means that other species of interest can be integrated. Our test is compatible with several matrices such as stool, breast milk, functional foods, or probiotics. Please get in touch if you'd like to discuss designing a test!

Our inclusive pricing model covers sample collection kits, sample analysis, and general reporting.



Price / test [EUR]	Order quantity [pcs]
110	Up to 30
100	From 31 to 150
80	From 151 to 500
70	For more than 500

Prices can be negotiated for larger volumes. Shipping to Europe is included. All kits can include a pre-paid return envelope (from Europe) to enable participants to return samples directly for analysis. Kits and samples can be stored and shipped at room temperature. To place an order, please contact info@remanalytics.ch.

