CoreBiome

Sample Submission and Shipping

Thanks for choosing CoreBiome as your microbiome research partner. Please review the guidelines below to optimize your samples for processing. If you have any questions, our team is here to help guide your study using our expertise in experimental design, sequencing and data analysis. Please reach out!

We accept most types of primary microbial communities, as well as prepared genomic DNA. Sending sufficient quantities of well-prepped material is the best way to ensure your samples are able to return high quality data.

Genomic DNA (gDNA):

Please send gDNA prepared as follows:

- Samples should be in full-skirt 96-well plates
- Each plate must have a maximum of 88 samples (8 wells MUST be blank for internal controls)
- **20 uL of each sample with a minimum concentration of 10 ng/uL**
- All sample-containing wells in the plate should contain the same volume
    - Samples should have the same concentration of elution buffer used to elute samples – water or a different buffer should **not** be used to bring individual samples up to the correct volume
- Plates should be sealed with a non-puncture foil seal and should be sent frozen on dry ice
- If you are preparing DNA to send to CoreBiome, please contact us to discuss optimizing extraction for our processing pipeline - we prefer samples are extracted using bead beating in 0.1mm glass bead plates or tubes with the QIAGEN PowerFecal Pro kit. PowerFecal and PowerSoil isolation kits also work well.

Raw Biospecimens:

For raw biospecimens, please send samples prepared as follows:

- Samples can be sent in glass bead plates available for purchase from Qiagen (cat. no. 19311)
  - Glass bead plates must contain a maximum of 88 samples (8 wells must be empty)
  - Samples submitted in tube or swab form can be transferred to glass bead plates on-site for an additional fee
- Ideally, tubes containing primary sample should be no larger than a 2 mL
- For all specimens, we prefer **~ 250 mg of material**
- For cells in culture, a minimum of **1 x 10^9 cells** should be spun down and supernatant removed prior to freezing
- All tubes should be labeled with a simple naming or numbering system, and supplementary metadata such as timestamps, grouping, or treatments can be submitted separately in a sample submission form for use in data analysis
- All material should be frozen immediately upon collection and stored at -80°C until it can be sent on dry ice
  - Planning to use a collection buffer? We prefer samples arrive without buffer, but can accommodate almost every preservation buffer. Please reach out for more details
- Please reach out to discuss collection practices that will allow us to best process your samples, as well as considerations to take for specific sample types. Our team is here to help!

Shipping:

Samples should be shipped overnight to CoreBiome with a tracking number provided at the time of shipment. Please do not ship samples such that they will arrive on a Friday (to avoid any potential weekend delays). Samples can be shipped using a courier of your choice and should have an accompanying electronic sample submission form emailed to the CoreBiome service coordinator. Samples can be shipped to:

CoreBiome, Inc
C/O Chris Basting
1000 Westgate Drive, Suite 108
St. Paul, MN
55114