



Metabarcoding sample preparation guidelines

DNA for custom/barcoding amplicons

We suggest sending 200 ng of DNA at a minimum concentration of 10 ng/ μ L. Mail DNA samples re-suspended in water or 10mM Tris-HCl pH 8.5.

Sample acceptance is based on the amount and concentration measured by us using a fluorimetry-based quantification (e.g. Qubit, plate-reader). Keep in mind that absorbance-based methods (e.g. Nanodrop) might largely **overestimate** the DNA quantity.

As we understand some substrates make hard to obtain high yields of DNA, we also accept sample below the recommended quantity. However, it's recommended, when possible, that customer run a test PCR (please inquire) to ensure that the sample are reaction-permissive as dirty substrates (soil, sludge, fecal, etc.) may have PCR-inhibitor leftover which can hamper amplification reaction.

For sample number <24, send samples in Eppendorf tubes sealed with parafilm (**0,5 mL and 0.2 mL tubes as well as strips will be not accepted**). The tubes must have, on the vial top, a clear and permanent sign (or a thin label) with a **progressive number** and the **customer's name initials**.

For sample number above 24, send samples in a skirted 96-wells plate, but ONLY if you quantified by Qbit fluorimeters and normalized the DNA quantities. The plate should be accompanied with the Sample spread sheet containing information on sample names and sample position. Otherwise (i.e. no Qbit quantification and no DNA normalization done), use 1.5mL Eppendorf tubes with only a progressive number **progressive number** and the **customer's name initials**.

Send DNA samples in a cold pack (e.g. Blue ice).

Customer is free to add extra columns to Sample Spread Sheet to include all available metadata of samples, if the analysis service has been requested. This information will be used to run several statistical tests as well as labeling/coloring of outputs in our standard internal analysis pipelines.



Please, do not forget to send us the compiled **Samples Spreadsheet**, both with the shipped parcel and via e-mail. In order to be able to properly track and safeguard your samples we also ask you to send us the **Tracking Number** via e-mail.