

Full PlasmidSeq / Long PCRSeq

Sample Material and Amounts

Input Material

- >15 µl of plasmid DNA at 20 ng/µl
- >15 µl of linear DNA at 20 ng/µl

Suitable plasmid sizes range from 2.5 kb to 50 kb, with the ideal size for plasmids being 2.5 kb to 25 kb and for PCR fragments being 1 kb to 25 kb. For plasmids >50 kb, please contact our NGS department.

Important:

- Neither primers nor sequence information is required – only the expected plasmid/PCR fragment size, if known.
- Our service is optimized for homogenous samples. Please note that plasmid/PCR fragment mixtures may result in erroneous assemblies.
- You should minimize contamination with host genomic DNA.
- You should avoid degraded samples and, ideally, analyze undigested samples on agarose gel. Degraded samples will likely yield incomplete and/or multiple contigs, or produce no result at all.
- Measure the concentration based on fluorescence (QuBit), **not absorbance at 260 nm** (Nanodrop). Absorbance frequently overestimates the DNA concentrations. Samples with concentrations that deviate significantly from our specifications may be processed with delay.
- Dissolve in TE-buffer (10 mM Tris + 1 mM EDTA).

Order Form Completion for Tubes and Plates

Prior to shipping your plasmid samples to Microsynth, please proceed as follows to complete your order form:

1. Enter our webshop at www.microsynth.com (click on the “SHOP” button).
2. Click on “ONT Sequencing” in the green Analysis Services area.
3. Click on “Tube” or “Plate” under “Full PlasmidSeq / Long PCRSeq”.
4. Fill in the order form and then submit your order. You can choose the DNA type, to send plasmids or PCR amplicons.
5. Pack your samples into a transparent plastic bag (important: please use one bag per order). A **printed order form** is not needed for tubes but it is **required for plates**.
6. Simply drop off your sample package at the nearest Microsynth sample drop box (if one is available in your close vicinity) or alternatively you can use one of our prepaid envelopes for mail shipment.

All you need to do is stick a **cyan barcode label** on your sample tube/plate as shown in the image. Please do not put any stickers on the lid and do not wrap the tube or the plate with parafilm!



Need More Information?

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