

Fast **Plasmid Sequencing** with Oxford Nanopore Technologies

- Follow the instructions below for your sample type and application.
- BaseClear can supply tubes and plates upon request. Contact your account manager.
- Before sending the samples, please visit the Order Portal and submit the order form. Provide a printed version of your order form with the shipped samples. Samples received without an order form may cause project delay and extra fees may apply.

Biosafety regulations:

BaseClear can only process micro-organisms of biosafety Class I and II according to European regulations. The customer has the responsibility not to ship samples that might contain Class III or IV organisms according to EU directive 2000/54/ EU.

For Class III and IV organisms, only deactivated cells (in Shield solution) or DNA and RNA can be provided. RNA from RNA viruses cannot be sent intact but can be sent in Shield solution. Provide samples in clean tubes. Extra fees may apply for additional decontamination work. Possibly contaminated samples will be destroyed and an additional fee will apply.

Postal address:

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Plasmid DNA samples

PLASMID SIZE	Standard (2,5-25 kb) Normal (25-125kb) Large (125-300kb)
MINIMAL CONCENTRATION	Standard: 30 ng/μl Normal and Large: 50 ng/μl
MINIMAL VOLUME	Standard: 10 μl Normal: 30 μl Large: 50 μl
PURITY (NANODROP)	260/280 above 1,8 260/230 between 2,0-2,2
BUFFER	Elution Buffer (10mM Tris, pH 8,5) or nuclease free water

Notes

- Provide material in excess whenever possible.
- Client to share expected plasmid size.
- DNA concentration must be measured with an assay specific for double-stranded DNA i.e. Qubit with the dsDNA Broad Range Assay.
- Plasmid DNA must be purified and provided in molecular- grade water or 10 mM Tris, pH 8,5.
- Plasmids can be provided in PCR tube strips or 96 well plates (see requirements below).
- Make sure to label the PCR tube strips per tube and add each sample to the Order form.

Delivery of samples in 96- well format:

- Use a high quality seal for the plate and make sure the seal is properly pressed between the wells to avoid cross contamination during shipment.
- BaseClear advises the following 96 wells plates and seals: Hard-Shell® 96-Well PCR Plates, low profile, thin wall, skirted, white/clear (HSP9601 BioRad) and MicroAmp™ Clear Adhesive Film (4306311 Thermofisher).
- Samples must be contiguous in a plate in column format. Do not leave empty wells between wells with samples.
- The maximum number of samples per rack is 94. Leave 1 space (H12) empty for our internal control. For multiple plates, completely fill the first plate (up to 94 samples) before filling the next plate.
- Fill out the 'F089-SEQ-013 form' and upload it together with the weborder in the order. Request this form at info@baseclear.com in case you do not have this document.
- In our online order portal we create 1 sample line per rack. The name should match the name on the plate and of the F089-SEQ-013 form.