

NGS sample submission guide



Ready-to-run Libraries

- Follow the instructions below for your sample type and application.
- BaseClear can supply sample collection kits, tubes, barcode stickers, barcoded plates or racks and DNA/RNA Shield solution upon request. Contact your account manager.
- Before sending 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 delay in project and additional 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 only deactivated DNA and RNA can be provided. Provide samples in clean tubes. Extra fee may apply for additional decontamination work.

Postal address:

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READY-TO-RUN ILLUMINA NOVASEQ LIBRARIES



Good quality sequence library with a concentration of >4 nM

Minimum volume

Run type	XP (1 lane)	Full FC
SP	40 µl	125 µl
S1	40 µl	125 µl
S2	50 µl	175 µl
S4	60 µl	350 µl

Notes

- The customer guarantees that the library is suitable for Illumina sequencing.
- The customer must inform BaseClear beforehand of any special property of the sequencing library as well as details about the library preparation used and expected sequence bias.
- We recommend performing library quality control on a BioAnalyzer before shipping the samples. Provide the BioAnalyzer results together with the samples.
- Customer must provide sample names with associated indexes.
- Library insert size should be between 200-700 bp.
- Novaseq is offered for dedicated runs/ lanes only.
- If the concentration is <4nM consult your AM.
- **Deliver normalized and pooled libraries.**

READY-TO-RUN ILLUMINA MISEQ LIBRARIES



Good quality sequence library with a concentration of >2 nM

Final volume:
 Min. 30 µl

Notes

- The customer guarantees that the library is suitable for Illumina sequencing.
- The customer must inform BaseClear beforehand of any special property of the sequencing library to be analysed, as well as details about the library preparation used and expected sequence bias.
- We recommend performing library quality control on a Fragment Analyzer (or similar capillary gel electrophoresis instrument). Please, send the electropherogram results together with the samples.
- Customer must provide sample names with associated indexes.
- Library insert size should be between 200-700 bp.
- No primer dimers should be present in the samples.
- Miseq is offered for dedicated runs only.
- If the concentration is <2nM consult your AM.
- **Deliver normalized and pooled libraries.**