ChIP-Seq sample preparation guidelines

Genomic DNA for ChIP-Seq sequencing

IGATech offers nucleic acids extraction service and we can set up a dedicated extraction workflow for your specific substrate. Please enquire.

The material generated from immunoprecipitated DNA samples is often in low amount. We ask at least 5-10ng to perform a library prep.
Please elute or concentrate your final material in as small a volume as possible.
For the input chromatin used as a control in the ChIP experiment we prefer to start with 100-300 ng for library construction.
DNA has to be resuspended in 10 mM Tris-HCl pH 8.5 (standard elution buffer of most commercial column-based extraction kits); water is accepted as an alternative (no EDTA must be present in the solution – e.g. TE buffer).
Quality of the DNA should be 260/280 > 1.8 and 260/230 >1.8.

Due to the nature of the material, no guarantees on generation of ChIP libraries are provided for samples which do not pass our internal QC. If the first library preparation attempt fails, a second preparation will be tried as included in the processing fee.

Mail DNA samples in 1.5 or 2 mL Eppendorf tubes sealed with parafilm (0.5 mL / 0.2 mL tubes will not be accepted).
If you have 24 or more samples, please put them in a 96-well skirted plate. The tubes must have, on the vial top, a clear and permanent sign (or a thin label) with a progressive number of the mailed samples and the customer's name (at least the initials).

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

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.