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## Sample Submission Guideline for Lexogen NGS Services

Once we have defined the ideal settings for your project, we are ready to receive your samples! We have prepared some helpful guidelines to ensure your precious samples arrive to us in the best possible condition. For each initiated project, you will be provided with a **Sample Submission form**, which must be filled out and sent via email to <u>services@lexogen.com</u>. For tips on sample preparation, packaging, and shipping, <u>read more here</u>.



Extraction of nucleic acids is one of the trickiest and, thus, a critical step in an NGS experimental workflow. We offer nucleic acid extraction from various human, animal, and plant tissues, cells, blood, and other liquid biopsies. Our specialty lies in working with challenging and/or degraded samples such as FFPE curls, and microdissections. If required, we will adapt our workflows to your specific experimental needs.

Please keep in mind that the input may differ depending on your specific project. It is always best to contact us at <u>services@lexogen.com</u> and discuss your individual case. Please contact us also if you happen to work with a starting material type not mentioned above. Your **RNA or DNA samples** should ideally be provided in nuclease-free water. Based on your project, our team will define an ideal input amount and will provide you with minimal requirements of the starting material, like concentration and volume.

For Single-cell RNA Sequencing, Ultra-low Input RNA Sequencing or DNA Sequencing service, please consult with us at services@lexogen.com. For our Sequencing-only services, we ask you to preferably send us already prepared **lane mixes of pooled libraries.** 

To accurately quantify individual libraries prior to pooling, we recommend measuring their concentration using **qPCR or fluorescence-based assays** and determine the average library size using microcapillary electrophoresis analysis (e.g., Bioanalyzer or Fragment Analyzer).

Use the Library Quantification File to generate equimolar pools based on library concentration and average library size. Please send prepared lane mixes in 1.5 ml tubes. If you require support during calculation, lane mix preparation, or shipping, please contact us via support@lexogen.com. We ensure safe data transfer and storage for all our customers! If you are running a Bioinformatics Service with us, you will be given detailed instructions. For more questions, please contact us via <u>services@lexogen.com</u>.