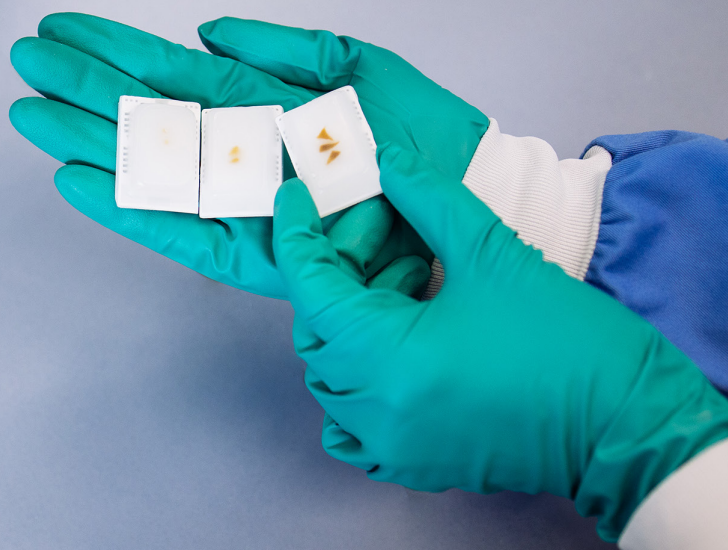


FFPE RNA Sequencing

Where Lexogen NGS Services exceed your expectations



FFPE RNA-Seq Service

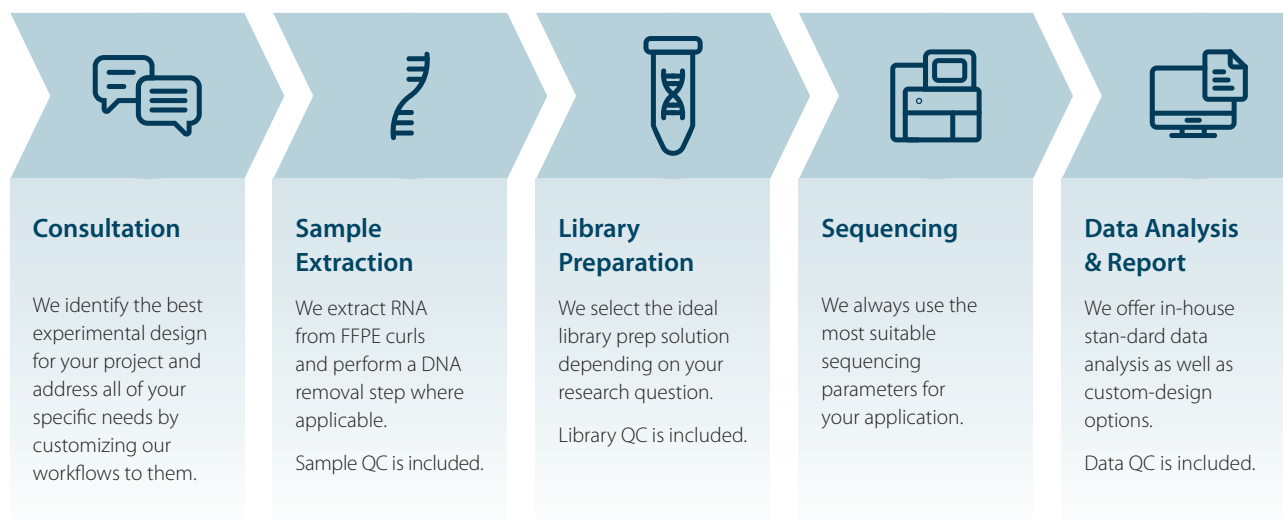
High-quality data from the most challenging samples, trust Lexogen's FFPE expertise!

Formalin-fixed, paraffin-embedded (FFPE) samples are one of the most **challenging inputs** for RNA sequencing and require special handling and expertise. Our FFPE RNA Sequencing Service provides excellent, cost-efficient transcriptome profiling from FFPE samples or any other degraded, low-quality, or low RNA input samples.

Our success in processing these complex samples comes from **years of hands-on experience** and **well-established and optimized workflows**. Our **end-to-end** service includes RNA extraction from FFPE curls, different library preparation options, and tailor-made data analysis.

Working with us

Benefit from our streamlined FFPE RNA-Seq services or start at any step from extraction to data analysis and reporting. Our different service packages can additionally be **customized** to fit your **individual needs** and requirements.



Why is a devoted FFPE RNA-Seq Service needed?

FFPE samples are **challenging input** for RNA-Seq due to limited (accessible) RNA amounts, degradation of RNA, gDNA contamination, chemical modifications of RNA, and cross-links with other molecules. We faced all these challenges in heterogenous sets of FFPE samples and successfully developed strategies how to deliver **robust and reliable results** even from **highly degraded** and **lowly concentrated** FFPE starting material.

Tackle vital questions of oncology with us!

Among our most successful FFPE RNA-Seq projects are:

- ✓ Tumor/ biobank characterization of clinical samples,
- ✓ Responses to cancer treatments in patients,
- ✓ Gene ontology and pathway analysis for cancer research,
- ✓ Tumor target discovery in healthy vs. patient samples,
- ✓ Discovering tumor biomarkers by miRNA-Seq, & many more.

How does our FFPE RNA-Seq Service stand out?

- **In-depth consultations** on project design and data analysis options based on individual requirements and needs.
- Years of hands-on experience with **low-quality FFPE RNA** (DV200 <30 %) and other **degraded RNA** (RIN <5).
- Compatible with **low RNA input** FFPE material (<50 ng).
- **End-to-end solution** for FFPE RNA-Seq from FFPE RNA Extraction to data analysis and detailed report.
- Well-established workflows using Lexogen's **FFPE-optimized** technologies.
- Ideal for **large scale** high-throughput screening projects.

Our FFPE RNA-Seq Service is as individual as you are!

We offer different solutions to uncover the secrets within your FFPE samples. Choose between **FFPE Gene Expression Profiling** or **FFPE Whole Transcriptome Sequencing**, depending on your research question.

FFPE Gene Expression Profiling

- ✓ Ideal choice for **gene expression analysis**
- ✓ Gene ontology analysis
- ✓ High-throughput screenings
- ✓ Biomarker discoveries
- ✓ Retrospective target validation studies

FFPE Whole Transcriptome Sequencing

- ✓ Covering **non-coding transcripts**
- ✓ Alternative splicing studies
- ✓ Detection of fusion genes and SNPs
- ✓ Biomarker discoveries
- ✓ Customized workflows, e.g., for panel enrichment



Want to capture DNA levels, too?

Exploit the **full potential** of your FFPE samples with Lexogen NGS Services, and combine our FFPE RNA-Seq Service with **DNA-Seq applications**, including **Whole Genome or Exome Sequencing**.

What customers say about our FFPE RNA-Seq Service

“ Throughout my career, leading genomic projects and departments, I have always been a fan of Lexogen chemistry. When I finally decided to co-found a genomics company, I was delighted to hear that Lexogen had a services arm, and signed up immediately. We work with extremely challenging samples, from biobanked FFPEs to micro-organ samples. At every step Lexogen has worked closely with us, even helping to optimise our protocols, to ensure the best possible results. ”

Dr. Quin Wills, Co-founder and CSO, Ochre Bio

Interested in our NGS Services? Consult with us on your project:

