

Transcriptomics

Bulk and single-cell RNA sequencing for expression profiling and cellular heterogeneity.

We sequence RNA and return quantified, quality-controlled data. Extraction, library preparation, sequencing and primary processing all run in our own laboratories, under one chain of custody, with a QC report on every sample.

TECHNIQUES AVAILABLE

TECHNIQUE	WHAT IT MEASURES	TYPICAL USE
Bulk RNA-seq	Transcriptome-wide expression across a whole sample	Comparing conditions, treatments or timepoints across a cohort
Single-cell RNA-seq	Expression measured cell by cell	Cellular heterogeneity, tissue composition, rare populations
Gene expression analysis	Transcript quantification and expression profiling	Quantified matrices ready for downstream statistics
RT-qPCR validation	Targeted measurement of selected transcripts	Independent confirmation of key genes from a sequencing result

WHAT THESE TECHNOLOGIES LET YOU DO

Compare conditions transcriptome-wide

Treated against untreated, timepoint against timepoint.
Quantified matrices come back ready for differential expression.

Resolve a tissue cell by cell

See which cell populations a sample contains, and which of them shift between two states.

Reach rare populations

Detect subsets too infrequent to appear in a bulk average, where the signal would otherwise be diluted.

Confirm before you build on it

Take a shortlist of transcripts from a sequencing result and measure them again by RT-qPCR.

Where this platform stops. Differential expression, integration across omics layers, biomarker discovery and modelling are run by GenXMap's computational team, not included in a platform booking. Ask for them in the same quote and both are scoped together.

SAMPLES, DELIVERABLES AND ORDERING

Samples. Fresh and frozen tissue, cells, blood and FFPE, among others.

Minimum input, concentration, RIN and purity are published per workflow, degraded and FFPE material included.

omics4.com/rna-sample-requirements

Deliverables. A QC report for every sample, sequencing files and, where the service covers it, quantified outputs.

Exports in the formats your team already imports. Turnaround published per service.

omics4.com/turnaround-times

Ordering. Request a quote with your sample type, the number of samples and the question you are asking.

We confirm feasibility before you ship anything.

omics4.com/request-a-quote

QUOTES AND ORDERING

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SAMPLES, PROTOCOLS, QC

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LABORATORY

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