Extracellular vesicles and exosomes

Isolation and characterization of extracellular vesicles (EVs) and exosomes, and RNA and protein profiling of the vesicle cargo.

Vesicles carry a readable signal, and they can be collected from a liquid sample when a biopsy is not available. Isolation, characterization and cargo profiling run as one workflow, so what you measure is what you verified you isolated.

WHAT THIS PLATFORM RUNS

SERVICE OR TECHNIQUE	WHAT IT COVERS	TYPICAL USE
EV isolation	Ultracentrifugation, precipitation and size-exclusion chromatography	Route chosen by matrix and by what you do next
Characterization	Nanoparticle tracking analysis (NTA) and marker validation	Verifying the isolate before anything downstream
Cargo analysis	RNA and protein content of isolated vesicles	Biological signature and biomarker discovery

WHAT IT LETS YOU DO

Work from a liquid sample

Plasma, serum or culture supernatant, where a tissue biopsy is not available or not repeatable.

Verify what you isolated

Concentration, size distribution and marker validation come before cargo profiling, not after it.

Profile the cargo

RNA and protein carried by the vesicles, for biomarker work.

Sample the same subject again

A liquid collection can be repeated over time, which a biopsy usually cannot.

Where this platform stops. Characterization uses the nanoparticle-characterization equipment of the Faculté de Pharmacie de Marseille. Analysis and interpretation of the cargo data are run by GENXMAP's computational team. Ask for them in the same quote.

Turnaround. Standard (4–6 weeks) / Priority (2–4 weeks): business days, from GO after sample reception QC. Routine services run to 72 hours (for example genotyping once the line is validated). The date in your quote is the one that binds us.

SAMPLES, DELIVERABLES AND ORDERING

Samples. Serum or plasma from 1 mL and cell supernatant from 15 mL for cargo RNA-seq. Confirm the volume with us if you need isolation only.

Collection and storage conditions are published by sample type, and the RNA criteria apply to cargo work.

genxmap.com/lab/sample-submission-guidelines#rna

Deliverables. Characterization data for the isolate, plus the cargo results and the QC report of the run.

Quality-controlled primary data and platform documentation. Analysis and interpretation can be added to the same quote.

genxmap.com/lab/turnaround-times

Ordering. Request a quote with your sample type, the number of samples and the question you are asking. We reply within 2 business days.

Not sure of the input? We confirm it before you ship anything.

genxmap.com/contact

QUOTES AND ORDERING

sales@genxmap.com
+33 7 69 44 16 18

SAMPLES, PROTOCOLS, QC

lab@genxmap.com
+33 4 13 73 24 81

LABORATORY

GENXMAP, IHU Méditerranée Infection
19-21 boulevard Jean Moulin
13005 Marseille, France