



GENXMAP

Nucleic Acid Purification & Clean-up Services

- ✓ Providing technical expertise
- ✓ Optimize your data generation
- ✓ High precision purification methods

CELL TO DATA

Nucleic Acid Purification

Nucleic acid purification is a key step for most of the downstream applications in genomic and transcriptomic analysis. Depending on the sample type, extraction procedures must be adapted to obtain highest yield in terms of quantity and quality.

GENXMAP adapted, developed and optimized procedures for high quality DNA and RNA purification ready for any downstream application.

Sample types:

- FFPE samples
- Buffy coat samples
- FTA cards
- Human and animal cells and tissue
- Biological fluids
- Soil and microbial samples
- Plants
- Fungi
- Virus

QUALITY GARANTEED

- ❖ Conserved DNA & RNA Integrity*

Quantification and qualification controls:

- ✓ Nanodrop
- ✓ Qubit assays
- ✓ Agarose gel
- ✓ PCR and qPCR
- ✓ Fragment analyser

Over 1000

> EXTRACTIONS

Per week

Clean-up Solutions:

- RNA Clean-up service
- PCR product clean-up on the column
- PCR product clean-up from agarose gel
- DNA Size selection from agarose gel

* According the original sample quality

AUTOMATIZATION

- ❖ Ready for automated process

REPRODUCIBLE

- ❖ Extraction & Quality Control process



Our Suppliers in Automated Genotyping Processes

- Most adapted extraction method guarantee

ThermoFisher
SCIENTIFIC



Optimized
process

Nucleic Acid Purification

The quality and quantity of the purified nucleic acid is highly dependent to the provided biological material. Here is an example of what GENXMAP proposes for the minimal amount of each sample type, available technology and the expected yield.

Sample type *	Min. sample size*	Typical yield	Available technology	
<ul style="list-style-type: none"> ➤ Human tissues ➤ Animal tissues ➤ Cell suspensions 	DNA	1 mg - 105 cells	0,1 – 10 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads ✓ Chemical extraction
	RNA	5 mg - 105 cells	10 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
<ul style="list-style-type: none"> ➤ Blood (Fresh, Paxgen, EDTA, Tempus, serum) 	DNA	30 µL	5 - 50 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
	RNA		1 - 8 µg	<ul style="list-style-type: none"> ✓ Silica membrane
<ul style="list-style-type: none"> ➤ Biological fluids 	DNA	50 µL	5 - 50 ng	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
	RNA		30 – 100 ng	<ul style="list-style-type: none"> ✓ Silica membrane
<ul style="list-style-type: none"> ➤ FFPE samples 	DNA	2 x 10 µm sections	Depending on sample, amount and quality	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
	RNA			<ul style="list-style-type: none"> ✓ Silica membrane
<ul style="list-style-type: none"> ➤ Plant/fungi 	DNA	20 mg	5 - 30 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
	RNA		5 - 50 µg	
<ul style="list-style-type: none"> ➤ Bacteria/yeast 	DNA	106 cells	5 - 25 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Chemical extraction
	RNA		5 - 50 µg	
<ul style="list-style-type: none"> ➤ Virus 	DNA	30 µL (300IU/mL)	5 - 30 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
	RNA		50 µL	
<ul style="list-style-type: none"> ➤ Microbiome samples (soil, biofilms, water,...) 	DNA	500 mg	1 - 10 µg	<ul style="list-style-type: none"> ✓ Silica membrane ✓ Magnetic beads
	RNA		<ul style="list-style-type: none"> ✓ Chromatography ✓ Silica membrane ✓ Magnetic beads 	

* For any specific sample size, please contact us



Contact us

GENXMAP

Siret : 88225368500011

9 rue Jacques Réattu, 13009 Marseille

+33(0)952797853 / +33(0)652925114

info@genxmap.com

www.genxmap.com

