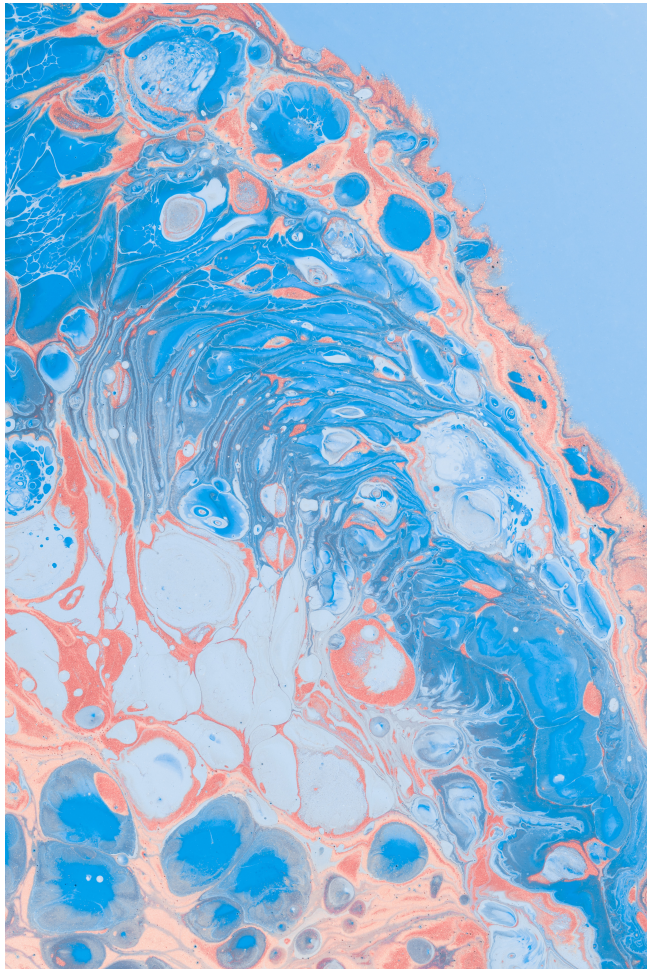


Biosfer Teslab

Cells and tissues analysis

Minimizes the time between generating basic results and applying them to patients.



Metabolomic Platform

Advanced technology

Nuclear Magnetic Resonance (NMR) is a valuable tool for studying the metabolic profile of an individual.

Robust and reproducible results

Results are reported in quantitative values and can be compared with different studies over time.

Quick analysis

Fully automated technology platform providing rapid analysis of up to 200 samples in one day.

The added value we offer

Quality results

Biosfer Teslab is ISO 9001 and ISO 13485 certified and CE marked for characterizing blood lipoproteins.

Experience

Our research team will help you to interpret your data. We are closely involved in every project.

Data analysis

We have population databases that can be used to compare normality values. We participate in the creation of figures.

Shipping requirements

Specimen: tissues / cell cultures / cell media

Tissues: 25-50 mg pulverized dried tissue

Cell cultures: 5-10 million cells

Cell media: 200 μ l

Conservation: samples frozen at -80°C

To find out more, contact us:

biosferteslab@biosferteslab.com

Cell cultures*

Amino acids

Lysine
Alanine
Glutamate
Glutamine
Glycine
Tyrosine
Histidine
Phenylalanine
Valine
Leucine
Isoleucine

Glucose metabolism

Glucose
Lactate
NAD⁺
Fumarate
Myo-inositol

Purine metabolism

AMP
ADP
ATP
Inosine
Adenosine

Pyrimidine metabolism

Uridine
UDPg

Others

Acetate
Creatine
Cholines
Glutathione
Formate
1-methyl nicotinate
O-phosphocholine
sn-3-glycerophosphocholine

Tissues*

Amino acids

Valine
Leucine
Isoleucine
Alanine
Lysine
Phenylalanine
Methionine
Taurine
Glutamate
Glutamine
Glycine
Tyrosine

Ketone bodies

Acetate
3-hydroxybutyrate

Glucose Metabolism

Glucose
Lactate
Succinate
Pyruvate
Fumarate

Others

Cholines
Creatine
Creatinine
ATP
ADP
AMP
NAD

Cholesterol

Free cholesterol
Esterified cholesterol

Fatty acids

Saturated fatty acids
Polyunsaturated fatty acids
Linoleic fatty acid
Docosahexaenoic fatty acid
Arachidonic fatty acid
Eicosapentaenoic fatty acid
Omega 3
Omega 6 and 7
Omega 9

Glycerides and phospholipids

Triglycerides
Phosphoglycerides
Lysophosphatidylcholine
Phosphatidylcholine
Phosphatidylinositol
Phosphatidylethanolamine
Sphingomyelin
Plasmalogen

* These lists show an example of metabolites present in cell cultures and liver tissue. The list of metabolites analyzed will vary depending on the type of tissue and cell line.