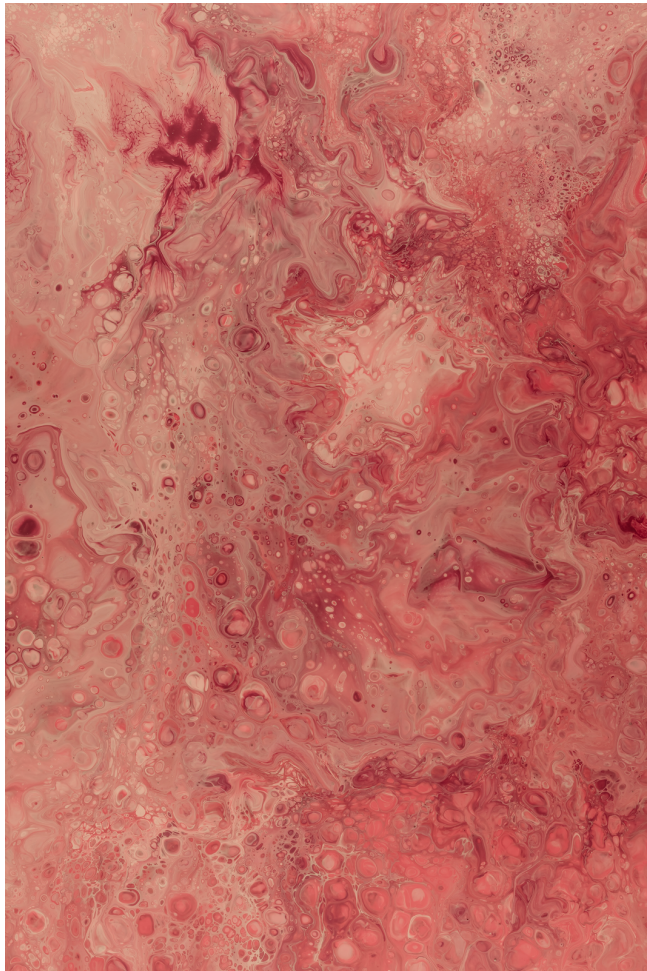


# Biosfer Teslab Plasma and serum analysis

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:** serum or plasma

**Volume:** 250 µl

**Conservation:** samples frozen at -80°C

To find out more, contact us:  
[biosferteslab@biosferteslab.com](mailto:biosferteslab@biosferteslab.com)

## Applications

Identification of biomarkers

Epidemiological studies

Pharmacological studies

Nutritional studies

Disease prediction and prevention

Disease diagnosis

Cardiovascular risk assessment

## Test Liposcale ®

The Liposcale Test is a tool for advanced lipoprotein characterization that can diagnose cardiovascular risk. The Test is CE certified and is currently marketed in a clinical setting.



## Test Liposcale ®

### Cholesterol

Total cholesterol  
Remnant cholesterol  
Non-HDL cholesterol  
VLDL cholesterol  
IDL cholesterol  
LDL cholesterol  
HDL cholesterol

### Triglycerides

Total triglycerides  
VLDL triglycerides  
IDL triglycerides  
LDL triglycerides  
HDL triglycerides

### VLDL lipoprotein particle number

Large VLDL particle number  
Medium VLDL particle number  
Small VLDL particle number

### LDL lipoprotein particle number

Large LDL particle number  
Medium LDL particle number  
Small LDL particle number

### HDL lipoprotein particle number

Large HDL particle number  
Medium HDL particle number  
Small HDL particle number

### Particle size

VLDL size  
LDL size  
HDL size

### Inflammation

NMR signal GlycA  
NMR signal GlycB  
NMR signal GlycF  
Ratio H/W Glyc-A  
Ratio H/W Glyc-A

## Small metabolites

### Amino acids

Glutamate  
Histidine  
Glycine  
Alanine  
Glutamine  
Leucine  
Valine  
Isoleucine  
Phenylalanine  
Tyrosine

### Glucose metabolism

Glucose  
Lactate  
Citrate  
Glycerol

### Renal function

Creatine  
Creatinine

### Ketone bodies

3-Hydroxyisobutyric acid  
Acetate  
Acetona

## Lipids

### 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

### Cholesterol

Free cholesterol  
Esterified cholesterol

### Glycerides

Phosphoglycerides  
Lysophosphatidylcholine  
Phosphatidylcholine  
Sphingomyelin