

About Lipotype

→ Lipotype is the leading lipidomics service provider for every researcher.

We are molecular biologists, bio statisticians, physicians, biochemists, mass spectrometry specialists, and bioinformatics experts. We are scientists who strive for better, faster and deeper comprehension of life and health through better, faster and deeper access to lipid data.

Our experience is based on decades of research on the role of lipids in cellular processes and on methodological aspects of lipidomics.

MILESTONES:

2012 ↓ Founding	2014 ↓ Market Entry	2016 ↓ Online Shop	2017 ↓ Skin Lipidomics	2019 ↓ GMP Certified	2020 ↓ 2 × Analysis Devices
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Lipidomics for a better life

→ We developed Lipotype Shotgun Lipidomics to identify and quantify thousands of lipids in no time.

Our mass spectrometry-based technology was designed to adapt to a rich variety of sample types reflecting research diversity.

Our scientific curiosity drives us to keep upgrading our lipidomics technology and serve the scientific community on their avenues to the greater goal of life sciences:

a better life.



Pictures: André Wirsig
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Supported by:



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Join the lipid revolution!

Services

→ Lipid analysis services for a wide range of clinical and industrial applications

Our vision for lipidomics

The quality of Lipotype Shotgun Lipidomics is unprecedented. It is the basis for novel products in different areas, including multiparameter diagnostics, drug development, nutrition, cosmetics or industrial biotechnology. Our lipid analysis services provide unrivalled tools for our clients to develop new products with a significant competitive edge.



Prof. Kai Simons
CEO and founder
of Lipotype

Technology

→ High-throughput Shotgun Lipidomics



Our mass spectrometry-based technology identifies more than 3100 individual lipids in minutes and routinely covers a rich variety of sample types while requiring only minimal sample amounts.

We offer lipid analysis services for a wide range of customers and applications:

- Biotech and pharma industry, clinical research**
drug discovery (mode-of-action, target validation, effect on lipid metabolism) __ drug delivery systems __ biomarker identification (pharmacodynamic, pharmacokinetic, CDx) __ clinical screening __ diagnostics
- Food industry**
development of functional food/nutraceuticals __ intervention studies __ lipid composition of food products
- Cosmetics and dermatology**
claim support __ drug development and validation __ personalized cosmetics
- Academic research**
lipid analysis of cells, tissues and body fluids from various model organisms in a plethora of experimental setups

For a quote please contact us:
Phone: +49 (0) 351 79653-45 or Email: sales@lipotype.com

HIGHLIGHTS of Lipotype Shotgun Lipidomics:

- > Lipotype Shotgun Lipidomics covers 57 lipid classes, in total more than 3100 individual lipids
- > Identification of lipids at the structural level of lipid subspecies (+ fatty acid composition)
- > Coverage of a rich variety of sample types from organelles, cells, body fluids & organs to oils & milk
- > High-throughput for delivery of results in as little as 2 weeks
- > Minimal sample amount required (e.g. 15 µl of blood plasma)
- > Direct quantification of lipids with class-specific internal standards in every sample
- > GMP certified & highly reproducible¹, robust, and reliable technology with technical variation < 10%
- > LipotypeZoom and advanced statistical reports access in-depth lipidomic data

The Lipotype Shotgun Lipidomics workflow:



¹Surma et al. "An Automated Shotgun Lipidomics Platform for High Throughput, Comprehensive, and Quantitative Analysis of Blood Plasma Intact Lipids" – European Journal of Lipid Science and Technology, 2015

Competence

→ The worldwide leading lipid analysis service

How we work

1. **Contact us!** Phone: +49 (0) 351 79653-45 Email: sales@lipotype.com
2. **Receive** consultation, the sample preparation guideline, and your quote.
3. **Prepare** your samples and **send** them in.
4. We **extract** the lipids, then **identify** and **quantify** them.
5. We **generate** your data, reports, and statistics, and **send** them to you.
6. If you **need help** interpreting your results, let us **know!**

Customers of Lipotype:



The Lipidomics Resource Center:

All science is just as good, as the research which precedes it. The Lipidomics Resource Center is a platform to discover lipidomics publications, patents and articles to empower your lipid research.

Visit us at:
www.lipotype.com/lipidomics-resource-center

