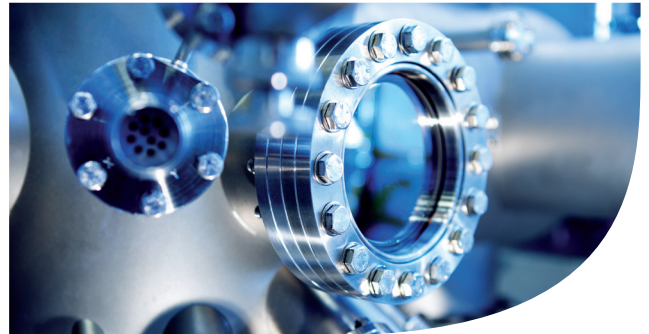




CUSTOMER REFERENCE

Biotech and pharma industry, clinical research: *drug discovery, biomarker, clinical screening, diagnostics*

Lipotype GmbH and Lund University perform study with blood samples of 2000 patients to identify disease related lipid biomarkers



Lipid signatures for clinical diagnostics of tomorrow – The Lund University (Department of Clinical Sciences Malmö) and Lipotype GmbH performed a study to analyze 2000 blood samples (1000 plasma, 1000 erythrocyte) in order to identify disease related lipid biomarkers.

It is known that blood lipid changes occur in diseases such as diabetes, cardiovascular diseases and cancer. Presently, only cholesterol and triglycerides are used to monitor blood lipid levels. Lipotype, a spin-off company of the Max-Planck-Institute of Molecular Cell Biology and Genetics in Dresden/ Germany, has introduced completely new lipid parameters that will revolutionize clinical diagnostics and nutritional research.

The research group of Professor Olle Melander at the Department of Clinical Sciences Malmö, Lund University was interested in the qualitative and quantitative analysis of the lipid composition of blood fractions collected from donors in the context of a prospective observational population-based study (“Malmö Diet and Cancer Study”). Lipotype performed the high-throughput lipid analyzes with its novel Shotgun-Lipidomics technology. The advantages of the analyses are: high-throughput with up to 200 samples a day, comprehensive coverage of lipid classes and species as well as quantitative results.

PUBLICATION:

Identification of Shared and Unique Serum Lipid Profiles in Diabetes Mellitus and Myocardial Infarction – *Journal of the American Heart Association*, 2016

S Kjellqvist, C Klose, MA Surma, G Hindy, IG Mollet, A Johansson, P Chavaux, J Gottfries, K Simons, O Melander, C Fernandez

About Lipotype

LIPOTYPE is a spin-off company from the Kai Simons and Andrej Shevchenko labs of the world-renowned Max-Planck-Institute of Molecular Cell Biology and Genetics in Dresden, Germany. Drawing on many years of cutting edge research experience, Lipotype delivers comprehensive, absolutely quantitative lipid analysis services for clinical and biological samples on a high-throughput scale. Lipotype offers high quality lipid analysis services for a wide range of customers and applications including biomarker identification for clinical researchers, pharma and biotech companies, functional food development for the food industry, claim support for the cosmetics industry, as well as for the small-scale profiling needs of academic researchers.

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



Biotech and pharma industry, clinical research

Drug discovery (mode-of-action studies, target validation, effect of delivery system on lipid metabolism), biomarker identification (pharmacodynamic, pharmacokinetic, CDx), clinical screening and diagnostics



Food industry

Intervention studies for development of functional food/nutraceuticals



Cosmetics and Dermatology

Cosmetic claim support, topical drug development, development of personalized cosmetics



Academic research

Lipid analysis of various model organisms

