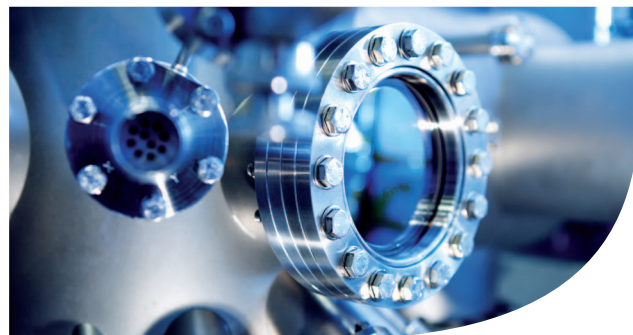




CUSTOMER REFERENCE

Biotech and pharma industry, clinical research: *clinical screening and diagnostics, biomarkers*

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.

About Lipotype

LIPOTYPE is a spin-off company from the Kai Simons and Andrej Shevchenko labs of the Max-Planck-Institute of Molecular Cell Biology and Genetics in Dresden, Germany. Drawing from years of research experience, LIPOTYPE delivers comprehensive, absolutely quantified and structural lipid analysis services for clinical and biological samples on a high-throughput scale. Our ShotgunLipidomics technology utilizes leading solutions in mass spectrometry, combined with high-throughput approaches both in sample processing and data analysis. We offer high quality lipid analysis services for a wide range of customers and applications.

About Lund University / Department of Clinical Sciences Malmö / Research lab Prof. Olle Melander

The Department of Clinical Sciences Malmö is part of the Faculty of Medicine at Lund University, located with Skåne University Hospital. Some of the research is conducted as part of the Lund University Diabetes Centre (LUDC), one of the world's foremost centres for diabetes research. Prof. Olle Melander is Assistant Head of the Department and has its research focus on metabolic abnormalities which precede development type 2 diabetes and cardiovascular disease. The research group uses large population-based cohorts and also tests various biomarker guided life style and drug treatments for prevention of diabetes and cardiovascular disease.

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



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development of healthy and functional food/nutraceuticals



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biofuel and tailored oil development

