

Ludger T1 cleanup cartridges

Christmas Orders and Delivery Information



Our offices will be closed between December 24th and January 2nd.
Orders received before December 14th will be processed and delivered before Christmas.
First orders to go out in 2019 will be on January 2nd 2019.

Glycoprofiling Analytical Services

Dr Louise Royle retired in October after being with Ludger for over 10 years. We thank her for her hard work and dedication during this time and wish her well in the future. We are pleased to announce that Dr Rad Kozak will be taking her place as Head of Glycoprofiling. Rad says, "I am excited to take on this role and very much look forward to the challenge ahead. Our philosophy is to work with clients in a partnership offering dedicated tailored solutions to ensure a successful delivery of the required information. The services we provide can help answer questions about the structures of glycans at all stages of the drug lifecycle – from QbD studies to regulatory submissions, comparability studies, production scale up, and QC for lot release – which is fascinating and highly rewarding"

Please [contact us](#) if you would like to find out more about our custom analytical services, and visit www.ludger.com/glycan-analysis-services for more information.



Louise Royle, pictured with glycoprofiling colleagues Dr Rad Kozak and Dr Jenifer Hendel

Glyshape T1 presentation



We have produced an informative slide presentation, part of our GlyShape series for biopharmaceutical glycosylation, to explain the features and benefits of using LudgerClean T1 cartridges in your workflow. LC-T1 cartridges can be used to clean up samples after labelling with 2-AB, 2-AA or APTS. Clean up is completed within 30min for a single sample; 2 hours for 96 samples. The presentation also includes a video with step by step instructions.

To view please visit www.ludger.com/glyshape

CyberEssentials accreditation

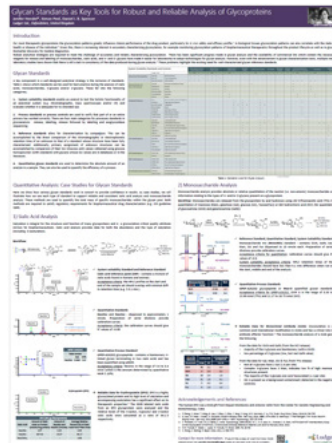
We are pleased to announce that in October 2018, Ludger achieved Cyber Essentials accreditation. Cyber Essentials is a government-backed and industry-supported scheme to guide businesses in protecting themselves against cyber threats. This accreditation demonstrates Ludger's commitment to security and our ability to defend both our organisation's and customers' critical data against prevalent cyber threats.



Posters

Dr. Jenifer Hendel presented a poster at the 29th International Carbohydrate Symposium which was awarded the **Chemical Biology Poster Prize** by the Royal Society of Chemistry's 'Organic & Biomolecular Chemistry' Journal.

Titled, **Glycan Standards as Key Tools for Robust and Reliable Analysis of Glycoproteins**, it highlights the importance of implementing a well-designed analytical strategy for glycans. This should include system suitability standards, process standards/controls, reference standards and quantitative glycan standards. Sialic acid analysis and monosaccharide analysis are given as case studies.

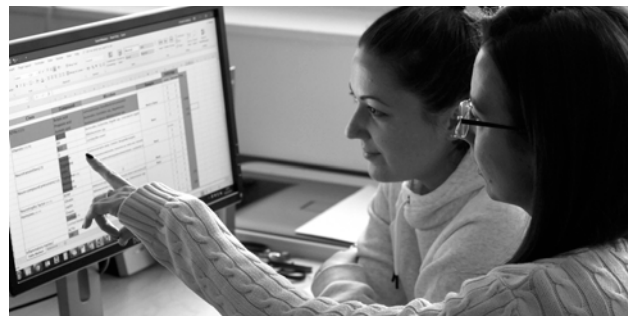


Maximilianos Kotsias, GlycoCan PhD student at Ludger Ltd, will be attending the Society for GlycoBiology 2018 Annual Meeting, November 5-8th in New Orleans, USA. He will be presenting a poster on **'Improved and Semi-Automated Reductive Beta Elimination Workflow for Higher Throughput Protein O-glycosylation Analysis'**. The workflow comprises release and permethylation of O-glycans and MALDI-TOF-MS analysis. It can be applied to O-glycan characterization of biological samples, biopharmaceuticals and biomarker discovery.

To view these and any of our posters, please visit: www.ludger.com/research-and-development/posters.php

Human Performance Lab news

Our Human Performance Lab (HPL), headed by Dr Christel Gudberg, has completed a year of successful blood clinics for its Case Study project. The data generated is being used to investigate the relationship between a glycan marker of systemic inflammation in the body and lifestyle factors, such as nutrition, exercise and sleep. In addition to this, HPL together with Ludger's R&D group will be collaborating with Wellfinity in January 2019 to assess levels of inflammation before and after a lifestyle (exercise) intervention. We look forward to sharing the findings in due course.



Dimitra Lamprinaki, BBSRC PhD student from the Quadram Institute Bioscience, has joined Ludger HPL and is currently half way through her 3-month internship.

For more information visit www.ludger.com/research-and-development/human-performance-laboratory.php

Ludger LT-KPROC-96
Procainamide Glycan Labeling Kit
Now available to order.

