

Ludger proudly sponsors FASEB Microbial Glycobiology Conference 2024

We are excited to announce our sponsorship of the **FASEB Microbial Glycobiology Conference 2024**, scheduled to take place in **Southbridge, Massachusetts**, from **September 8th to September 12th**. This prestigious event serves as a vital platform for leading scientists and researchers to explore the critical roles that glycans play in host-microbe interactions, microbial survival, and pathogenesis.

The conference program is designed to foster collaboration and knowledge sharing among experts in the field, with a strong focus on the latest research, including groundbreaking unpublished data. Key themes will delve into the importance of glycans in bacterial cell envelope biosynthesis and function, and their pivotal role in cell signalling.

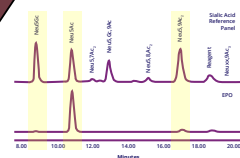


At Ludger Ltd, we specialise in advanced glycan analysis and glycoprofiling, offering unparalleled expertise and innovative solutions that drive progress in glycobiology. Our commitment to enhancing the understanding of glycan structures and functions aligns perfectly with the core objectives of the conference. By supporting this event, we reaffirm our dedication to advancing research in microbial glycobiology and contributing to the development of novel therapeutic strategies.

Sialic acid quantitation and profiling of glyco-therapeutics

Sialic acids are negatively charged monosaccharides found on the non-reducing termini of glycans. They play a crucial role in the 3D conformation, and in turn, the stability and serum half-life of therapeutic glycoproteins. A diverse range of sialic acids are found in nature, but the two major sialic acids found on N-glycans and O-glycans in biopharmaceuticals are **N-acetyl-neuraminic acid** (Neu5Ac, or NANA) and **N-glycolyl-neuraminic acid** (Neu5Gc, or NAGA). Neu5Gc can be **immunogenic** as it is not synthesised by humans. Therefore, monitoring the absolute quantities and levels of sialic acids in therapeutic glycoproteins is essential and a **regulatory requirement** at all stages of the development and manufacturing of biotherapeutics.

At **Ludger**, we offer everything you need to perform both Neu5Ac/Neu5Gc absolute quantitation and relative quantitation of O-acetylated Neu5,9Ac2. Please have a look at our workflow below.

Preparation	Release	Labelling	RP-LC Analysis		
5 mL sample aliquots* in a vacuum-centrifuge for 1-2hrs	LT-KDMB-A1 LT-KDMB-96 2M acetic acid @80°C for 2hrs	LT-KDMB-A1 LT-KDMB-96 DMB @50°C for 3hrs	LS-R1-4.6x150 25 µL for 30 min	LS-UR2-2.1x100 5 µL for 15 min	
Standards & Controls					Results
GCP-FET-50U-X4 Fetuin glycoprotein standard	CM-NEU-AC-01 N-acetylneuraminic acid quantitative standards CM-NEU-GC-01 N-glycolyneuraminic acid quantitative standards				Neu5Ac & Neu5Gc amounts in nmol/mg of protein
BQ-GPEP-A2G2S2-10U A2G2S2 glycopeptide standard	CM-NEU5,9AC2-01 N-acetylneuraminic acid qualitative standard CM-SRP-01-C Sialic acid reference panel				Relative proportions of Neu5,9Ac2

Custom Glycan Analysis Services

Tailored to your medical research or drug manufacturing's requirements



Ludger is your trusted partner for comprehensive glyco-technology analysis. We offer a wide range of customised services to meet the specific needs of both industrial and academic institutions, including biopharmaceutical companies, universities, and research institutes.

Our Expertise:

- **N- and O-glycan profiling and characterisation:** Detailed analysis of glycan structures.
- **Sialic acid and monosaccharide analysis and quantitation:** Precise measurement of sugar components.
- **Reliable mAb glycoprofiling:** Accurate assessment of monoclonal antibody glycosylation.
- **High-throughput N-glycan screening:** Efficient evaluation of large sample sets.
- **Analysis of samples for clinical trials and regulatory submissions:** Adherence to regulatory standards.
- **Method development and validation:** Creation and verification of tailored testing procedures.
- **Method transfer, training, and advisory services:** Support for in-house glyco-technology capabilities.



Why Choose Ludger?

- **State-of-the-art equipment:** Access to the latest technologies for accurate results.
- **Experienced scientists:** A dedicated team with deep expertise in glyco-technology.
- **Quick turnaround:** Timely delivery of results to meet your deadlines.
- **Customisation:** Services tailored to your specific requirements.
- **Regulatory compliance:** Adherence to FDA, EMA, and ICH Q6B guidelines.
- **Comprehensive support:** Guidance and assistance throughout the testing process.

Contact us today to discuss your specific needs. Let Ludger be your partner in glyco-technology excellence.

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