**News – November/December 2014**

**Christmas Orders and Delivery Information**

Our offices will be closed from 25\textsuperscript{th} December until 5\textsuperscript{th} January 2015. Orders received before Monday 14\textsuperscript{th} December 2014 should be processed and delivered before Christmas. First orders to go out in 2015 will be on Tuesday 6\textsuperscript{th} January 2015.

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**An Overview of Ludger’s Glycan Analysis Services**

**O-Links**
- Level 1: HILIC-(U)HPLC Exoglycosidase MALDI ESI LC-MS/MS
- Level 2: 2-AA 2-AB Proc PerMeth
- Level 3: Hydrazine Orela

**N-Links**
- Level 1: HILIC-(U)HPLC Exoglycosidase MALDI ESI LC-MS/MS
- Level 2: 2-AA 2-AB Proc PerMeth
- Level 3: PNGase F
- Level 4: DMB

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**Follow us on Social Media**

Ludger Limited has a LinkedIn page to allow you, our customer, to be more informed on who we are, what we sell and what makes us different from the rest. From our LinkedIn homepage you will be able to access the following:

- Publications from Ludger Employees
- Glycoprofiling Services information
- Updates regarding our purified glycan standards
- Research Grant news

For all enquiries please contact us via e-mail at info@ludger.com
The workflow below describes how N-glycan samples can be prepared using validated Ludger technology. The system is simple to operate, scalable (up to 96 samples can be processed simultaneously) and is safer to use than traditional sodium cyanoborohydride methods. If you are using the products described below, we can send you a detailed protocol to use.

**Scalable Sample Preparation for N-Glycans**

**Up to 24 glycoprotein samples**
- Aliquot samples into 200 to 500 µL polypropylene microcentrifuge vials
- Release N-glycans with PNGase F
- LudgerClean PBM plate clean-up of released N-glycans
- LudgerTag 2AB/2AA labelling of N-glycans
  - LT-VP24 labelling kit for 24 samples
- LudgerClean T1 Post-labelling Clean Up
- Sample Preparation for UHPLC

**Up to 96 glycoprotein samples**
- Aliquot samples into a 96 well PCR plate
- Release N-glycans with PNGase F
- LudgerClean PBM plate clean-up of released N-glycans
- LudgerTag 2AB/2AA labelling of N-glycans
  - LT-VP96 labelling kit
- LudgerClean T1 Post-labelling Clean Up
- Sample Preparation for UHPLC