



Ludger

News – January/February 2015

We would like to wish you a Happy, Healthy and Prosperous New Year and look forward to working with you in 2015

Glycomics Publication

Archana Shubhakar and colleagues from Ludger have co-authored this review in conjunction with partners at Vu University and Leiden University Medical Center in The Netherlands.

The review describes advances in analytical technologies for HTP glycomics and we have included data which has been generated at Ludger such as:

- Ludger 2-AB labelled glycan standard run on UPLC after exoglycosidase digestion to analyse sialic acid linkages and MALDI-TOF-MS of the same 2-AB labeled Ludger standard after ethyl esterification showing 2,3 versus 2,6 linked sialic acids.
- Ludger Heavy ¹³C permethylated and ¹²C permethylated IgG glycan standards run on MALDI-TOF-MS to show relative quantitation of the major N-glycans.

The review also outlines our workflow depicting a validation study of 48 replicates of human IgG using a liquid handling robot.

The springer link for the review is <http://link.springer.com/article/10.1007/s10337-014-2803-9>

The Chromatographia citation reference is DOI **10.1007/s10337-014-2803-9**.

Sales orders can now be sent to our new address:

sales@ludger.com

For general enquiries and quotations please contact us at info@ludger.com

Please note our new freight charges which are effective from Jan 1st 2015

Did you know:

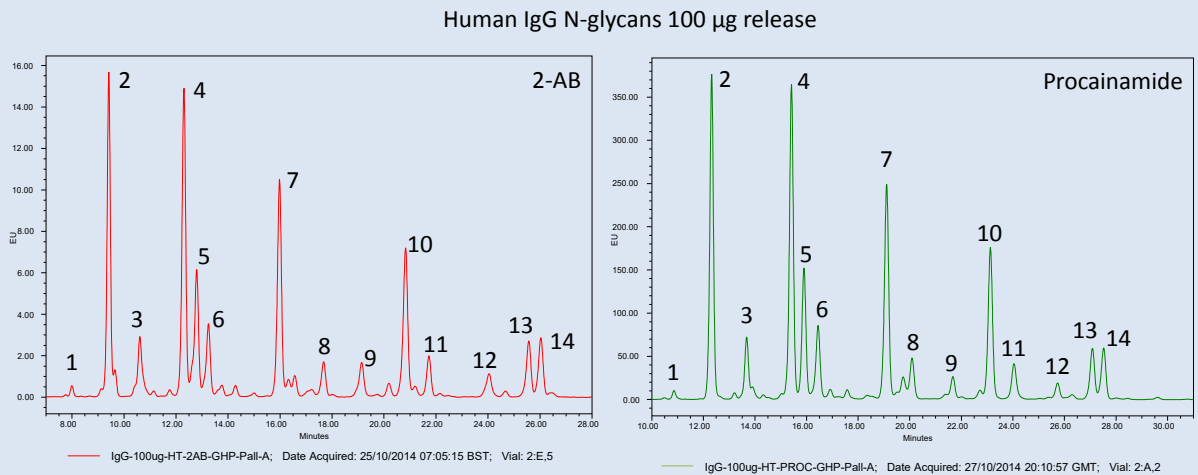
We offer method validation services.

If you are interested in finding out more please contact us at info@ludger.com for more information

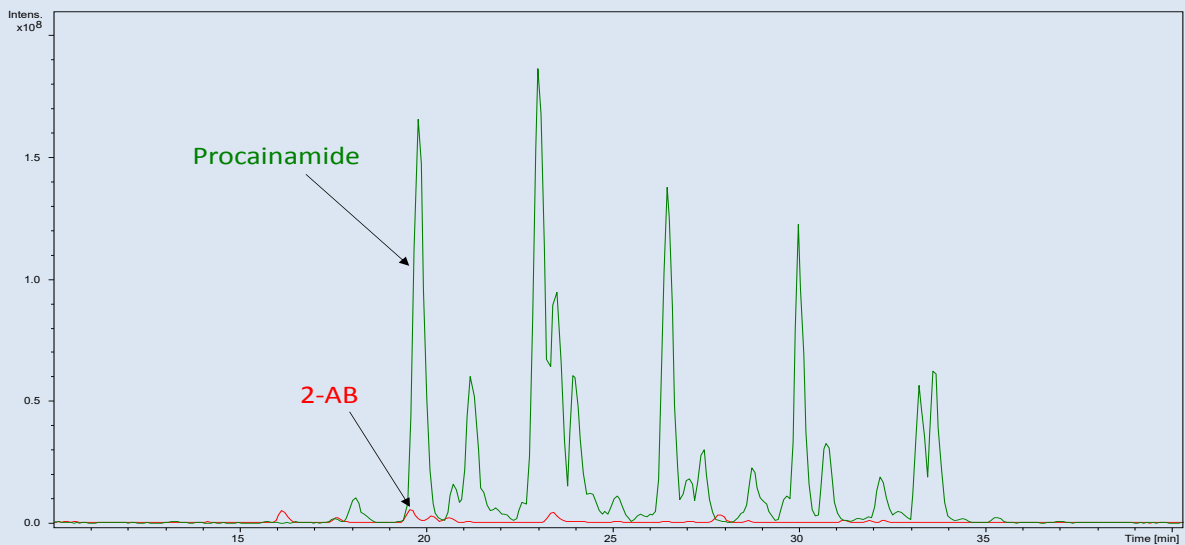
Ludger Procainamide Labelling Kit and Clean-Up

Procainamide labelling permits glycan identification by either mass spectrometry or UHPLC, and because of its improved ionisation efficiency compared to 2AB labelling it can permit identification of minor glycans (>1% relative peak area) by ESI-MS. We are delighted to announce the launch of a Ludger kit for labelling glycans with procainamide (using 2PB as a reductant in place of sodium cyanoborohydride), along with a post-labelling clean up plate for the samples. This technology has been validated in house at Ludger; typical CVs for triplicate analyses were <5%.

Comparability of data for 2AB and procainamide labelled IgG analysed by HILIC-UPLC:



Comparison of signal intensity on ESI-MS for 2AB and procainamide labelled IgG (data generated using a Bruker Amazon Speed ETD):



Ordering information:

LudgerTag Procainamide labelling kits

LudgerClean clean up of procainamide-labelled glycans

Cat # LT-KPROC-VP24

Cat # LC-PROC-96

Please contact info@ludger.com for a quotation