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## LudgerTag™ 2AB Labelled Glycans

### Product Overview

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#### Common Specifications

- Application:** For use as standards to complement experimental labelling of free glycans with fluorescent dye.
- Description:** The sample contains approximately 100 pmol of 2AB labelled glycan with the majority of labelling reagents removed.
- Number of Samples:** Typically, 100 fmol to 10 pmol, can be detected, dependent on the sensitivity of the fluorometer, HPLC or mass spectrometer.
- Amount of Sample:** 100 pmol
- Structural Integrity:** Determined by MALDI mass spectrometry and LudgerSepN1 normal phase HPLC.
- Labelling Selectivity:** Essentially stoichiometric labelling. One fluorophore molecule covalently bonded to each glycan.
- Detection:** Fluorescence detection: 360 nm excitation wavelength, 425 nm emission wavelength.
- Storage:** Store dry at -20°C in the dark. Protect from sources of heat, light, and moisture. The reagents are stable for at least five years as supplied.
- Shipping:** The product can be shipped at ambient temperature.
- Handling:** Ensure that any glass, plasticware or solvents used are free of glycosidases and environmental carbohydrates. Use powder-free gloves for all sample handling procedures and avoid contamination with environmental carbohydrate. Glycans are provided dry and should be dissolved in purified water. Reconstituted glycans should be stored at -20°C. Repeated freezing and defrosting should be avoided.
- For research use only. Not for human or drug use**

## Analysis of LudgerTag™ Labelled Glycans

### HPLC Analysis

LudgerTag labelled glycan mixtures may be separated and analysed by a variety of HPLC (high pressure liquid chromatography) methods including the range of columns available under the brand name LudgerSep™ separation columns. The LudgerSep columns are powerful tools for the purification and analysis of LudgerTag labelled oligosaccharides from complex glycan mixtures. Please contact us if you need any assistance.

<b>Types of Analyses</b>	<b>Column</b>	<b>Cat. #</b>
Separation of charged and neutral glycans	LudgerSep C2	<a href="#">LS-C2-4.6x50</a>
Profile analysis of neutral and charged glycans	LudgerSep N1	<a href="#">LS-N1-4.6x250</a>
Separation based on size and shape.	LudgerSep N2	<a href="#">LS-N2-(4.6x150)/(2.1x150)</a>

### Mass Spectrometry and Electrophoresis

LudgerTag™ labelled glycans may also be analysed™ by mass spectrometry, electrophoresis, and various types of spectroscopy. Please contact us at [info@ludger.com](mailto:info@ludger.com) for technical assistance on the dyes and analysis conditions most suitable for your intended analyses.

## Warranties and liabilities

Ludger warrants that the above product conforms to the attached analytical documents. Should the product fail for reasons other than through misuse Ludger will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and Ludger makes no other warranties, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose. Ludger shall not be liable for any incidental, consequential or contingent damages.

This product is intended for in vitro research only.

## Document Revision Number

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