



## Certificate of Analysis

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### LudgerTag™ Permethylation Kit

Cat. #: LT-PERMET-VP96

Batch: B87A-01

Size: 1 set of components per kit

Expiry date: 0310 July 2019

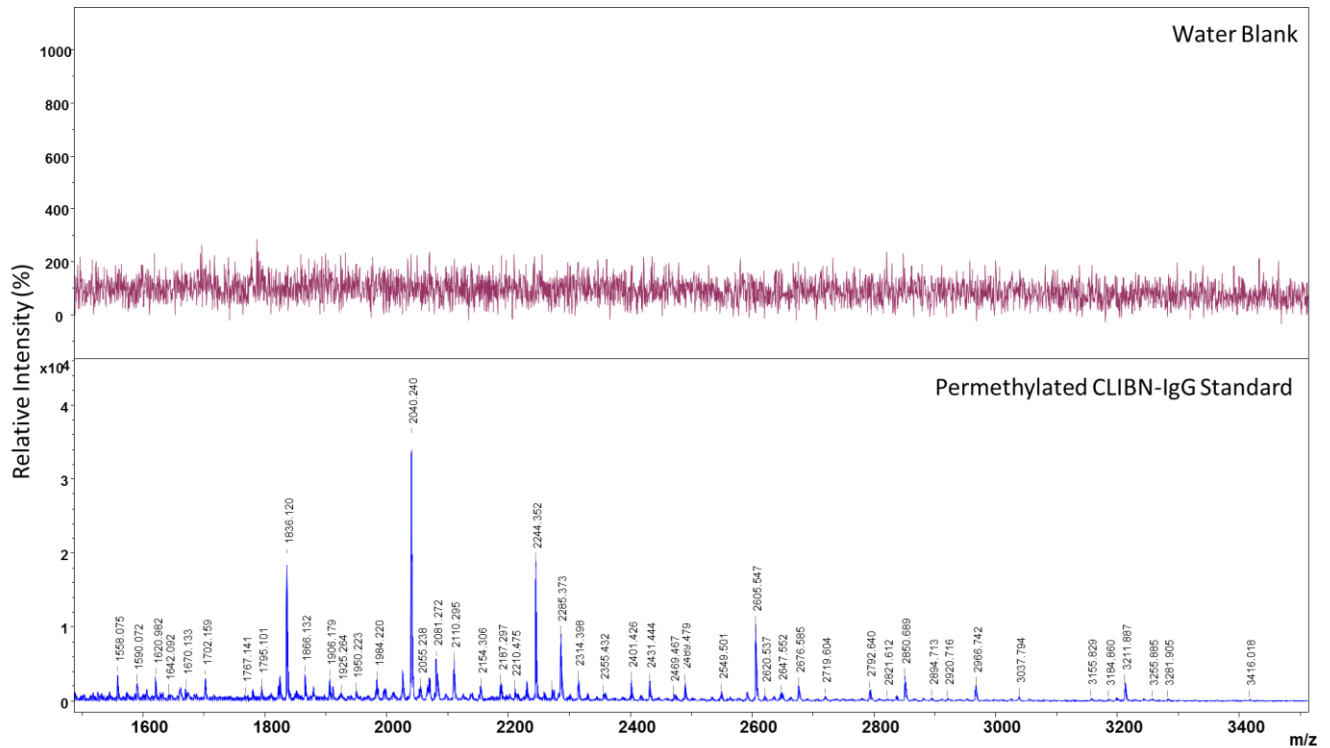
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This kit conforms to the specifications given in Ludger document LT-PERMET-VP96 Guide.

Each kit contains the following components:

Quantity per Kit	Cat #	Batch #	Component Name	Storage Temp.
1	LT-PERMET-PLATE-96	B872-01	Permethylation Plate	4°C
1	LT-PERMET-DMSO-96	B86P-03	DMSO	4°C
1	LT-PERMET-DCM-96	B873-01	Dichloromethane	4°C
1	LT-PERMET-LID-96	B75V-03	Collection Plate Lid	RT
1	LT-BALANCE-PLATE	B87A-07	96 Well Balance Plate cartridges	RT

Specificity was demonstrated by comparing N-glycans from CLIBN-IgG standard with the Negative control (water blank) components. Figure 1 illustrates and verifies that components of the permethylation kit do not interfere with permethylated glycans.



**Figure 1: Mass Spectra of N-glycans from ~1µg of CLIBN-IgG standard (Batch #B337-02) permethylated and compared to water blank (negative control) analysed in parallel. The mass values shown in the spectra are sodiated i.e. [M + Na]<sup>+</sup> of permethylated glycans.**

Note: Specificity is the ability to assess unequivocally the analyte in the presence of components which may be expected to be present. Typically these might include impurities, degradants, matrix, etc. Reference: [http://www.ema.europa.eu/docs/en\\_GB/document\\_library/Scientific\\_guideline/2009/09/WC500002662.pdf](http://www.ema.europa.eu/docs/en_GB/document_library/Scientific_guideline/2009/09/WC500002662.pdf)