



## Certificate of Analysis

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### Ludger Tag™ Permethylation Kit

Cat.: LT-PERMET-VP96

Batch: B761-06

Size: 1 set of components per kit

Expiry Date: 08 Dec 2018

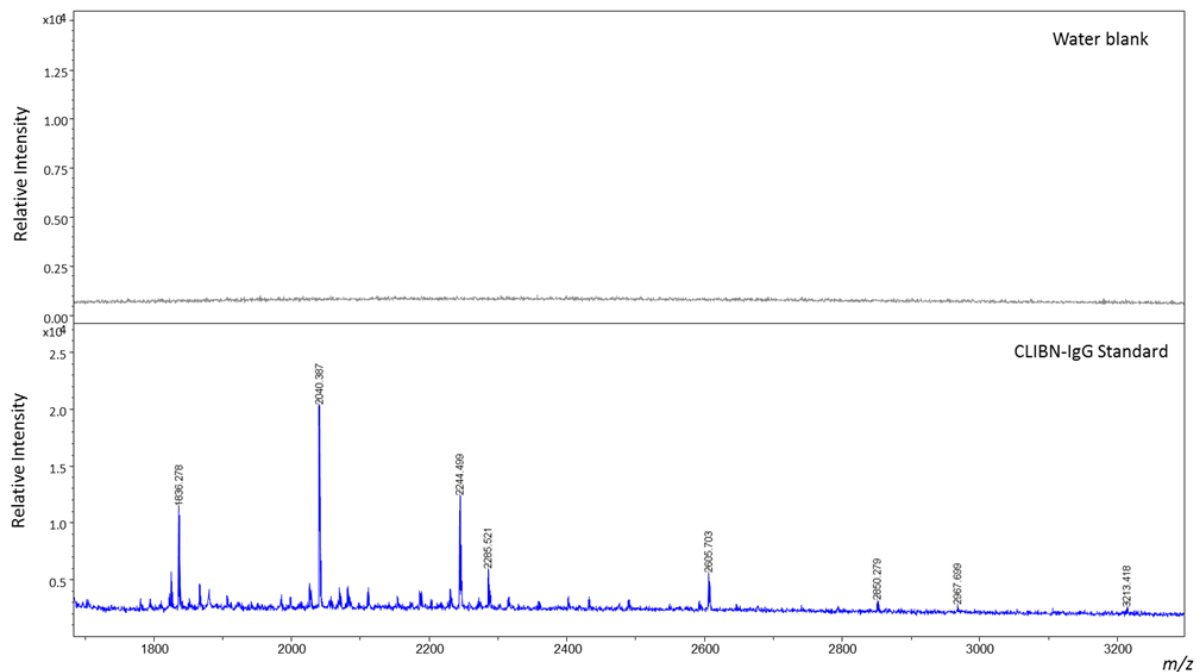
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This kit conforms to the specifications given in Ludger document LT-PERMET-VP96 Guide.

Each kit contains the following components:

Quantity per Kit	Cat #	Batch #	Component Name	Storage Temp.
1	LT-PERMET-PLATE-96	B75N-01	Permethylation Plate	4°C
1	LT-PERMET-DMSO-96	B75F-02	DMSO	4°C
1	LT-PERMET-DCM-96	B75F-06	Dichloromethane	4°C
1	LT-PERMET-LID-96	B5AS-01	Collection Plate Lid	RT
1	LT-BALANCE-PLATE	B767-02	96 Well Balance Plate	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: Permethylated MALDI mass spectra of N-glycans from 0.5µg of human IgG standard (CLIBN-IgG Batch # B337-02) compared to negative control i.e. water blank analysed in parallel. Y axis is normalised. The mass values shown in the spectra are sodiated i.e.  $[M + Na]^+$  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)