



Certificate of Analysis

LudgerTag™ Permethylation Kit

Cat. #: LT-PERMET-VP96

Batch: B96O-02

Size: 1 set of components per kit

Expiry date: 13 Jun 2020

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	B96A-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.

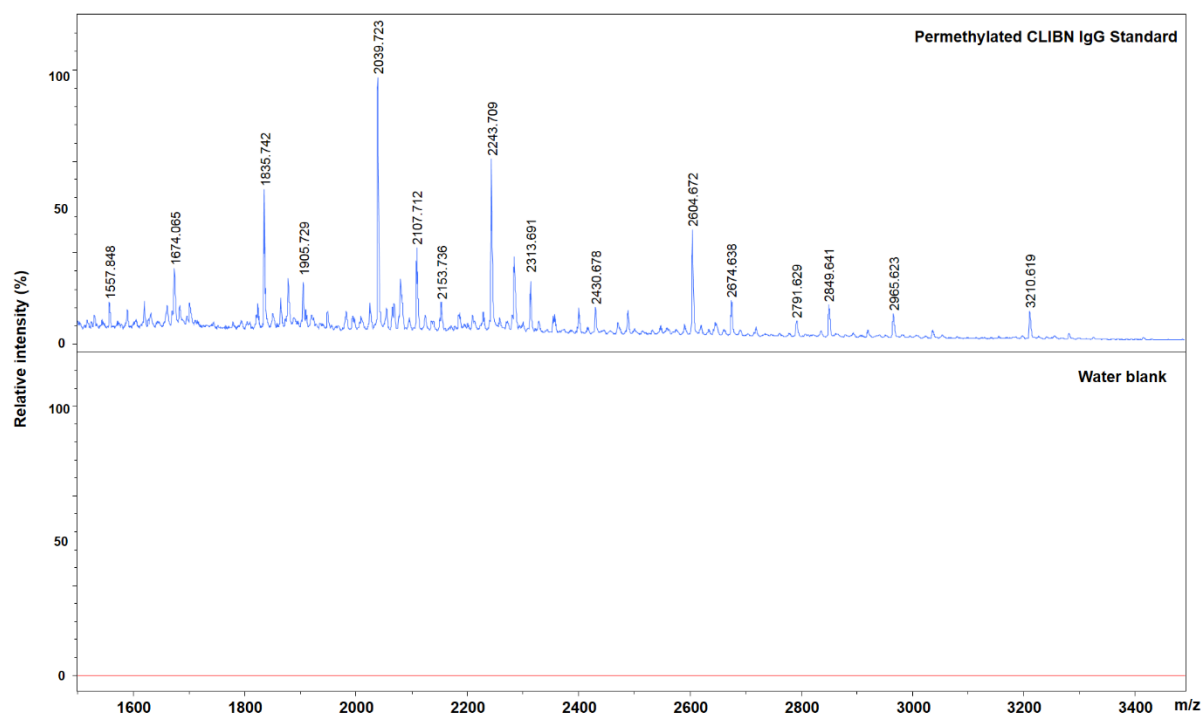


Figure 1: MALDI Mass Spectra of N-glycans from 0.5µg of CLIBN-IgG (B337-02) standard permethylated and compared to water blank (negative control) analysed in parallel. Y axis is normalised. The mass values shown in the spectra are sodiated i.e. $[M + Na]^+$ of permethylated glycans.

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