

for quantifying your glycans

Ludger

Highlights of the Chitotriose Standard System for Glycan Quantification

Regulatory Submissions

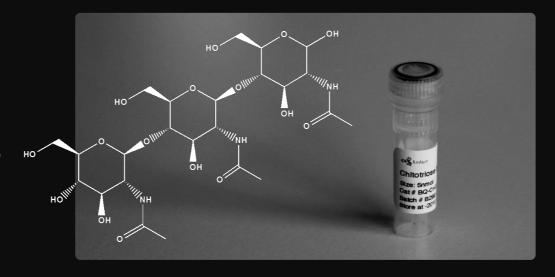
Support system suitability and drugs regulatory submission by demonstrating consistent and reproducible glycosylation levels

Reliable quantification method

Follows established glycan analysis techniques. Provides data comparable to gold-standard glycoprofiling methods based on Monosaccharide analysis

Part of the BioQuant Standard Range

Quantity of Chitotriose standard accurately determined using qNMR



Quick and Easy

Used in QC routine in-house to determine quantity of both bulk and dispensed glycans

Use as Internal or **External Quantitative Standard**

The Chitotriose standard can be spiked directly into your glycan sample or run in parallel

Integrates Easily With Fluorescent Labeling Workflows (eg. 2-AA and 2-AB)

Adds into your existing labeling workflow, without requiring any extra steps.

BQ-Chitotriose-01

Ludger BioQuant Chitotriose

Linear tri-N-acetylglucosamine quantitative standard

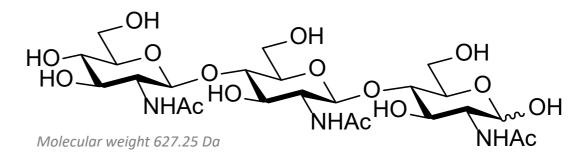
Accurate Quantity

Determined by quantitative NMR using BioQuant metrology

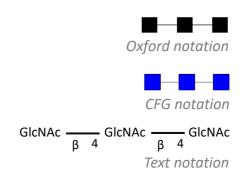
5nmols of the lyophilised standard supplied in a 0.5mL vial.

Ready for LudgerTag

The sugar has a free reducing end that readily accepts a fluorescent tag

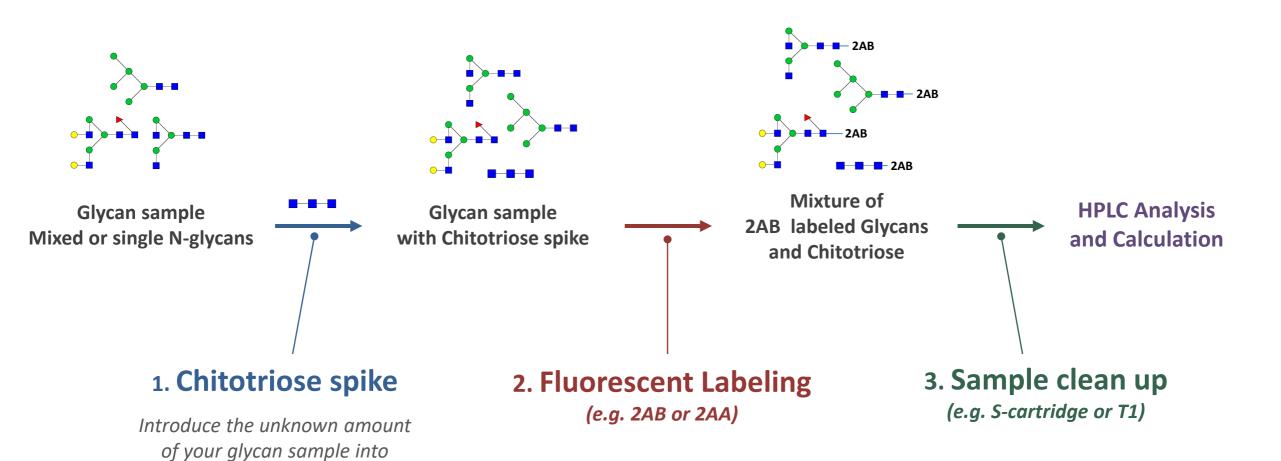


Structure of BQ-Chitotriose-01 Standard





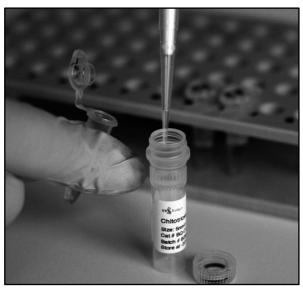
BioQuant Chitotriose Workflow



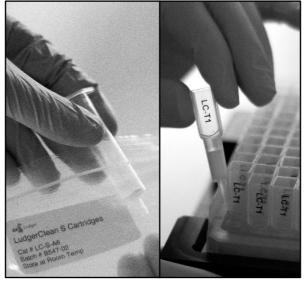


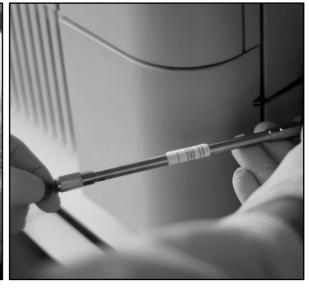
the vial of Chitotriose

BioQuant Chitotriose Workflow - Components









1. Transfer your glycan sample into Chitotriose standard vial

Cat #. BQ-Chitotriose-01 Ludger BioQuant Chitotriose

2. Fluorescently label the Chitotriose sample mixture

Cat #. LT-KAB-A2 LudgerTag 2-AB labeling kit LT-KAA-A2 LudgerTag 2-AA labeling kit

3. Clean up samples using LC-S-A6 or LC-T1-A6

Cat #. LC-S-A6 LudgerClean S Cartridges LC-T1-A6 LudgerClean T1 Cartridges

Analysis using HPLC/UHPLC

Cat #. LS-N2-4.6x150 and LS-N2-2.0x150 LudgerSep[™] N2 High Resolution Amide HPLC Columns

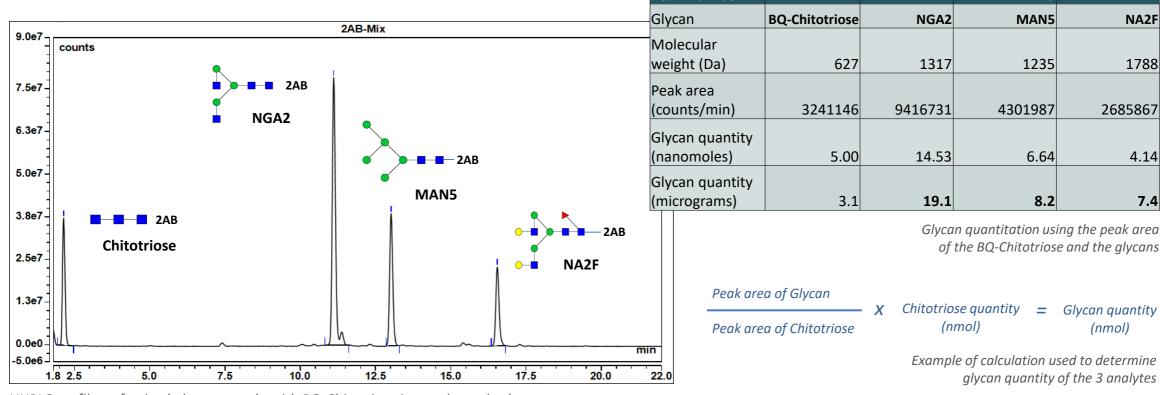


BioQuant Chitotriose Data Analysis

Peak Number

2

UHPLC Quantitation



UHPLC profiles of mixed glycan sample with BQ-Chitotriose internal standard.

Mixture of 3 labeled glycan analytes with the BQ-Chitotriose used as an Internal standard. The quantities are then determined by a comparison of the peak areas in the chromatogram



NA2F

1788

4.14

7.4

(nmol)

2685867

Next Steps...

Request a quotation





Sales Team

Quotations: info@ludger.com Orders: sales@ludger.com

