

Certificate of Analysis

NeuGc Standard

Cat. #: CM-NEUGC-01

Batch: B52C-01

Size: 1.00 ± 0.04 nmol

Expiry Date: 12 Feb 2020

The N-glycolylneuraminic acid standard is a quantitative standard of NIST-F and USP traceable Neu5Gc monosaccharide.

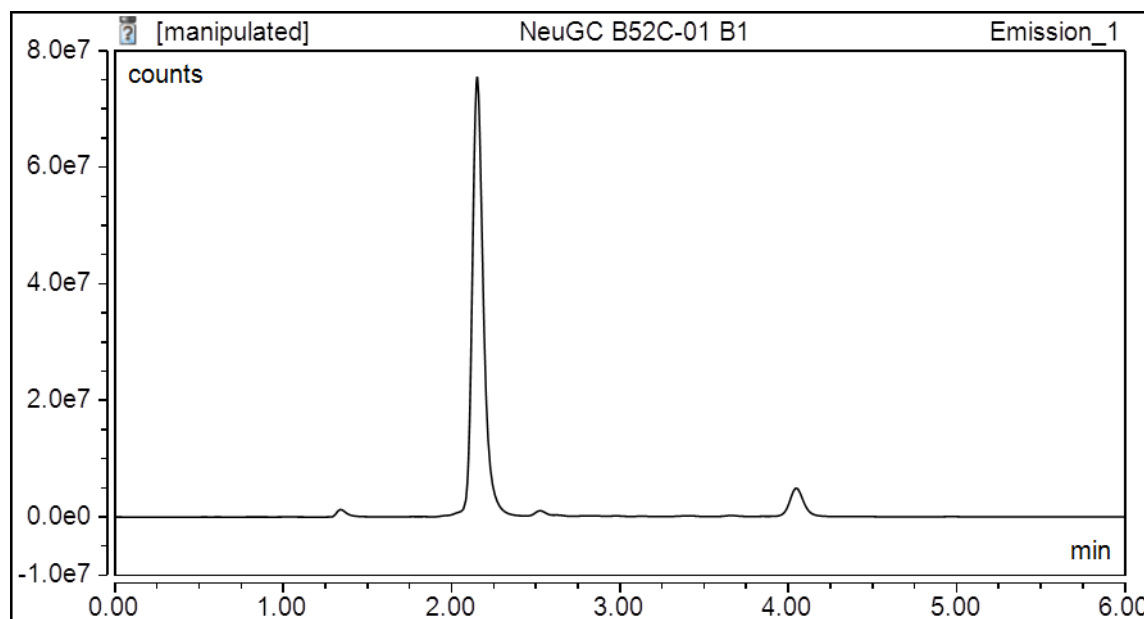


Figure 1: LudgerSep-uR2 HPLC profile of 1,2-diamino-4,5-methylenedioxybenzene.2HCl (DMB) labeled NeuGc standard (Cat. #: CM-NEUGC-01, Batch B52C-01).

Accuracy: This analysis was performed on 12 vials of CM-NEUGC-01.

The dispensed amount was determined as 1.00 ± 0.04 Nmole NeuGc per vial.

Values are in Nmols $\pm 95\%$ confidence interval.



DMB labeled sialic acid standards eluted under the following HPLC conditions:

Column: LudgerSep uR2 (Cat. #: LS-uR2-2.1x100) B2C5-17

Flow: 0.25 ml/min.

Temperature: 30 °C

Solvent A: methanol:acetonitrile:water (7:9:84)

Gradient: 0-10 min: 100% Solvent A

HPLC: Dionex U3000 UHPLC Detector: U3000 FD

Excitation wavelength: 373 nm Emission wavelength: 448 nm