

Certificate of Analysis

LudgerPure™ Procainamide Labelled MAN5 Glycan

Cat. #: CPROC-MAN5-01

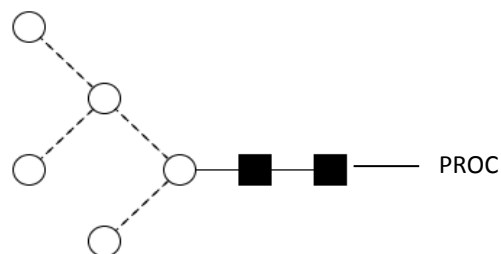
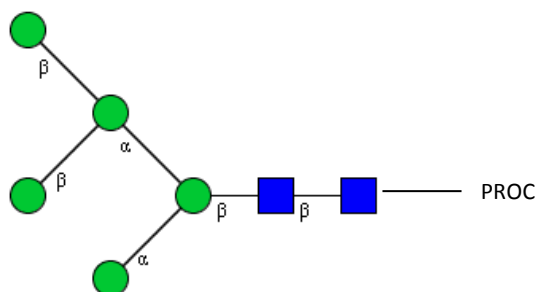
Batch: B52J-03

Size: approx. 20 pmol

Alternative Names

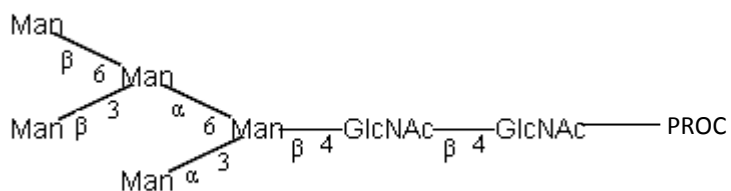
M5

Structure



CFG Notation

Oxford Notation



Text Notation

Purity: 94.02% Procainamide labelled Man5 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 20.1 pmols Man5 glycan – Test performed 10 March 2015.

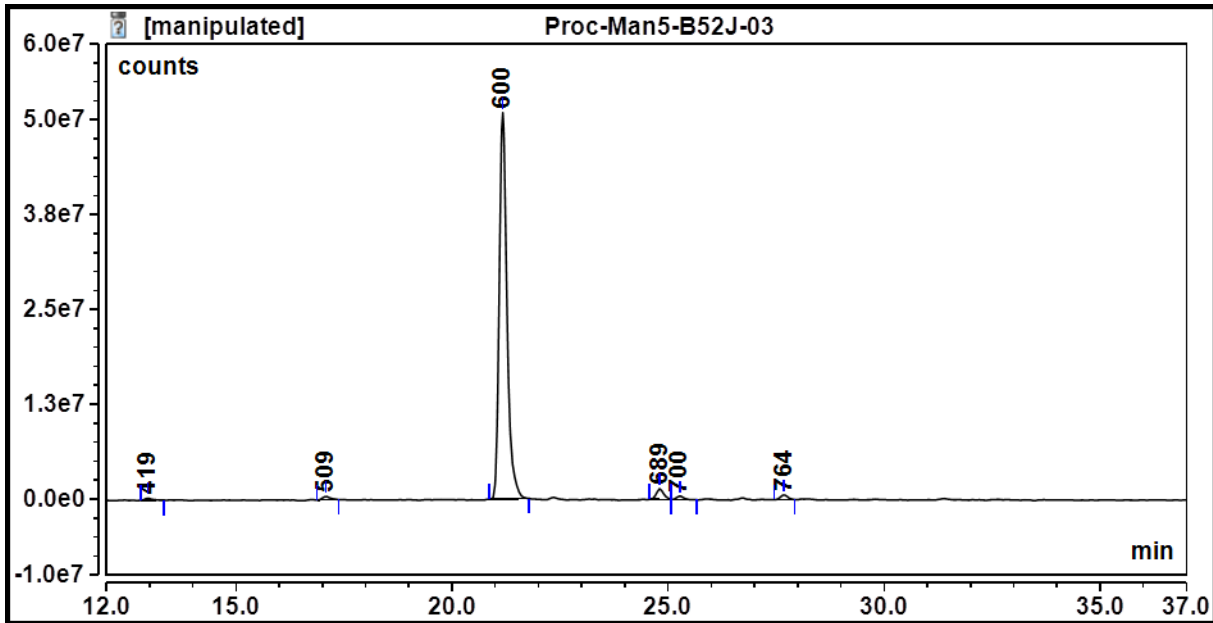


Figure 1: HILIC HPLC profile of Procainamide labelled Man5 glycan (see method conditions below)
(Cat. #: CPROC-MAN5-01, Batch B52J-03).

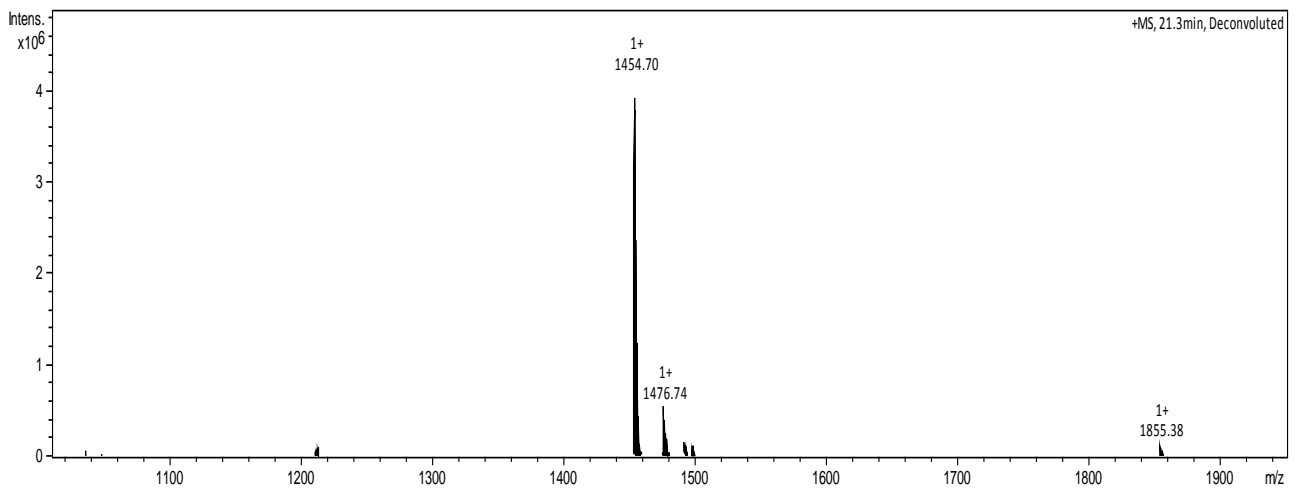


Figure 2: Positive ion mass spec analysis of labelled Glycan Sample.
Main peak at m/z 1454.73 conforms to expected $[M+H]^+$ mass. No significant unlabelled glycan peak present.
(Cat. #: CPROC-MAN5-01, Batch B52J-03).

Procainamide peak seen above, eluted between 20 and 25 minutes, under the following conditions:

Column: Waters BEH Glycan 1.7µm column (150mm)

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH 4.4 **Solvent B:** 100 % acetonitrile

Gradient:

Time (min)	%B	Flow (ml/min)
0.0	76.0	0.40
55.30	40.0	0.25
57.50	40.0	0.25
59.5	76.0	0.25
65.50	76.0	0.25
66.50	76.0	0.40
70.00	76.0	0.40

Detector: Dionex Ultimate FLD-3000

Excitation wavelength: 310 nm

Emission wavelength: 370 nm

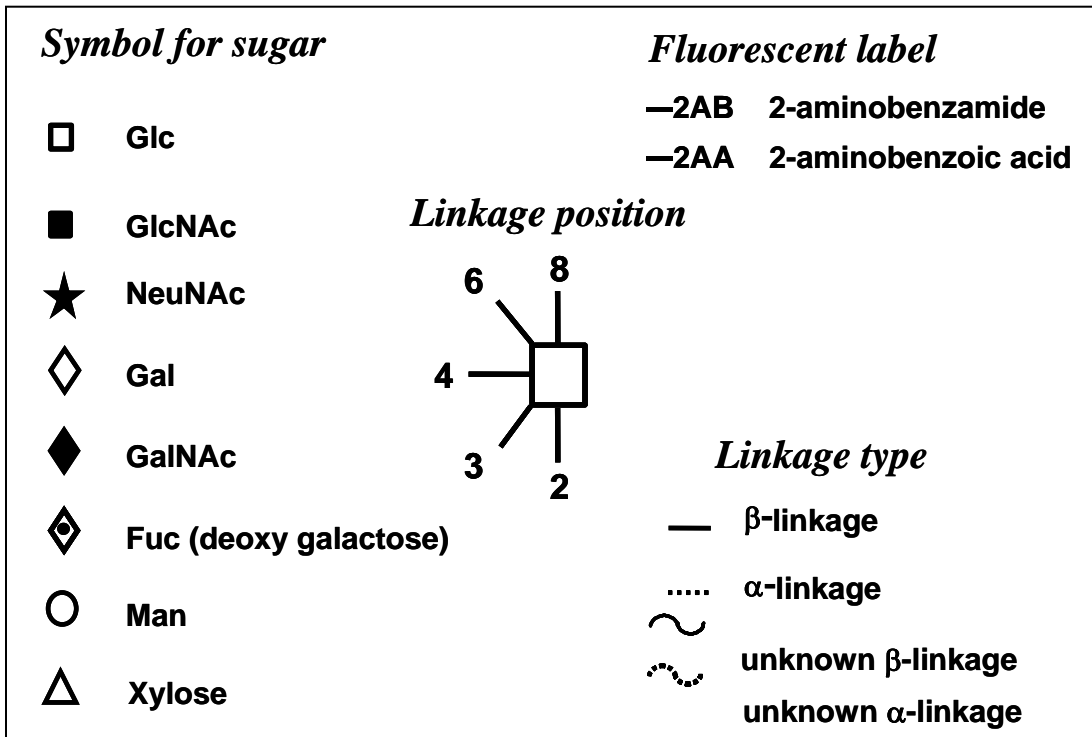


Figure 2: GlycoBase glycan structure key.