

Certificate of Analysis

Monosaccharide Mix

Cat. #: CM-MONO-MIX-10

Batch: B17Q-04

Size: 10 nmols

The monosaccharide mix reference standard is a quantitative standard comprised of NIST-F and USP traceable glucosamine (GlcN), galactosamine (GalN), galactose (Gal), mannose (Man), glucose/dextrose (Glc) and fucose (Fuc) monosaccharides.

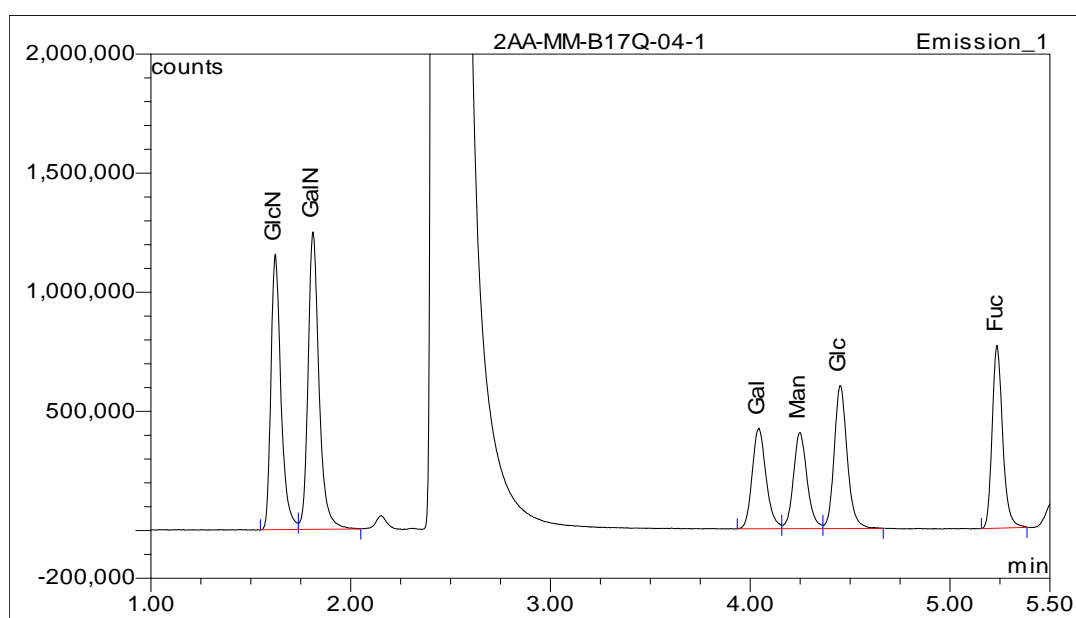


Figure 1: LudgerSep-uR2 HPLC profile of 2-aminobenzoic acid (2-AA) labeled mono-mix.

(Cat. #: CM-MONO-MIX-10, Batch B17Q-04). The peak between 2-3min is free dye. Free dye peaks also follow fucose.

Accuracy: The monosaccharide amounts are detailed in Table 1. This analysis was performed on 24 vials.

Monosaccharide	Nmols monosaccharide per vial
GlcN	9.67 ± 0.16
GalN	9.74 ± 0.14
Gal	9.74 ± 0.12
Man	9.07 ± 0.11
Glc	9.64 ± 0.11
Fuc	9.60 ± 0.12

Table 1: Quantitative analysis of the monomix composition. Values are in Nmols ±95% confidence interval.



2-AA labeled monosaccharide standards eluted under the following HPLC conditions:

Column: LudgerSep uR2 (Cat. #: LS-uR2-2.1x50)

Flow: 0.4 ml/min.

Temperature: 35 °C

Solvent A: butylamine:phosphoric acid:tetrahydrofuran (BPT)

Solvent B: acetonitrile

Gradient: 0-1 min: 0% B, 1-4.5 min: 0-15.7% B, 4.5-4.6 min: 15-50% B, 4.6-5.6 min: 50% B

HPLC: Dionex U3000 UHPLC Detector: U3000 FD Excitation wavelength: 360 nm Emission wavelength: 425 nm