

N-Glycan Standards

Agilent provides the reference materials, IgG N-linked glycan standard, and dextran ladder standard, needed as part of the workflow to ensure optimum performance of both sample preparation and the LC system. The two standards are available with the 2-AB label attached and also without the 2-AB label for use as sample preparation reference materials.

The IgG N-linked glycan standard is used as a QA test for every batch of the AdvanceBio Glycan mapping media to ensure each column meets the stringent reproducibility requirements for this demanding analysis.

The dextran ladder standard is used for calibrating the system based on elution times of the glucose units (GU) in the dextran homologous series and for reporting out GU relative retention data.

Separation of a 2-AB labeled dextran ladder

Column: AdvanceBio Glycan Mapping
859700-913
2.1 x 150 mm, 1.8 µm

Mobile Phase: A: 100 mM NH₄Fc, pH 4.5
B: ACN

FLD: Excitation = 260 nm
Emission = 430 nm

Injection Volume: 2 µL (10 pmol total glycan/1 µL 75:25 ACN:water)

Sample: Agilent 2-AB (p/n 5190-6998) labeled dextran ladder

This analysis uses the Agilent dextran ladder standard, together with an AdvanceBio Glycan Mapping column to correlate retention times of unknown glycans.

