



CERTIFICATE OF ANALYSIS

PRODUCT NAME: Gly-Q Migration Standards

PRODUCT CODE: GKSQ-500

LOT NUMBER: DP17E2301a

PACK SIZE: 100 μ l (qualitative standard for glycan identification)

FORM: Aqueous solution of 50 μ M Sodium Chloride

STORAGE: Store at -20°C in the dark. The glycan may be stored on the Gly-Q instrument at room temperature for up to 18 hours without significant impact on performance (cap securely and return to -20°C for longer term storage).

EXPIRATION: January 2019

STRUCTURE: The Gly-Q Migration Standards consists of a mixture of maltotriose (DP3) and maltopentadecaose (DP15) are labeled with a fluorescent dye for separation and detection on the Gly-Q system.

Quality Control:

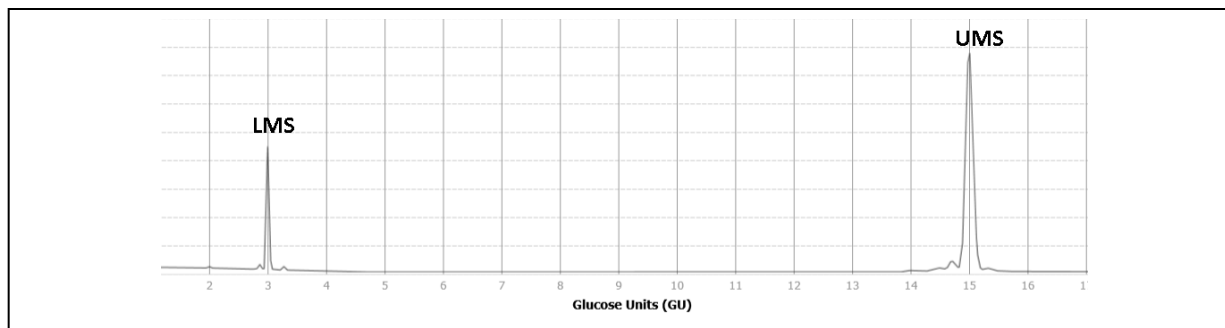


Figure 1 – Gly-Q Results: The Gly-Q labeled standard is injected onto a Gly-Q CE Instrument (GQ2000) under the conditions and method below:

METHOD:

Action	High Voltage	Duration, seconds	Position	Sampling Interval, Seconds
High Voltage Purge	4.00	10.00	Wash	0.04
Pause		2.00	Clean	
Well Plate Injection	2.00	2.00	Sample	0.04
Pause		2.00	Clean	
Separation & Detection	10.00	120.00	Separation	0.04

Structural Analysis: The purity and structural integrity of the glycan standard was assessed by capillary electrophoresis (CE).

Application: To align multiple sample runs and generate relative migration times on the Gly-Q CE system, which are subsequently converted to GU values using a labeled GU Ladder (GKSQ-503).

Handling: The labeled oligosaccharide standard is shipped in solution (100 μ l). Allow the unopened vial to reach ambient temperature and centrifuge the vial briefly before use. Aliquot out the desired quantity (see Directions for Use) and return remaining solution to -20°C. The glycan may undergo up to four freeze-thaws without significant effect on performance.

Make sure that any glassware, plasticware, solvents or reagents used are free of glycosidases and carbohydrate contaminants.

Minimize exposure to elevated temperatures or extremes of pH.

Directions For Use: The amount of labeled Migration Standard used with the Gly-Q Instrument is typically 100 μ l. For our Quality Control testing, an aliquot was transferred to a PCR tube and replicate runs were processed. Typically, ~100 injections are obtained from a 100 μ l aliquot; for fewer runs, a smaller aliquot of the standard may be dispensed and used on the instrument (not less than 50 μ l). Signal decrease can occur over repeated injections from the same aliquot.

For further information on Gly-Q methods, please contact ProZyme:

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Authorized Signature