
Procainamide Labelled Glucose Homopolymer (GHP) Ladder

Cat. # CPROC-GHP-30

Structure



Synonyms: PROC labelled dextran hydrolysate ladder

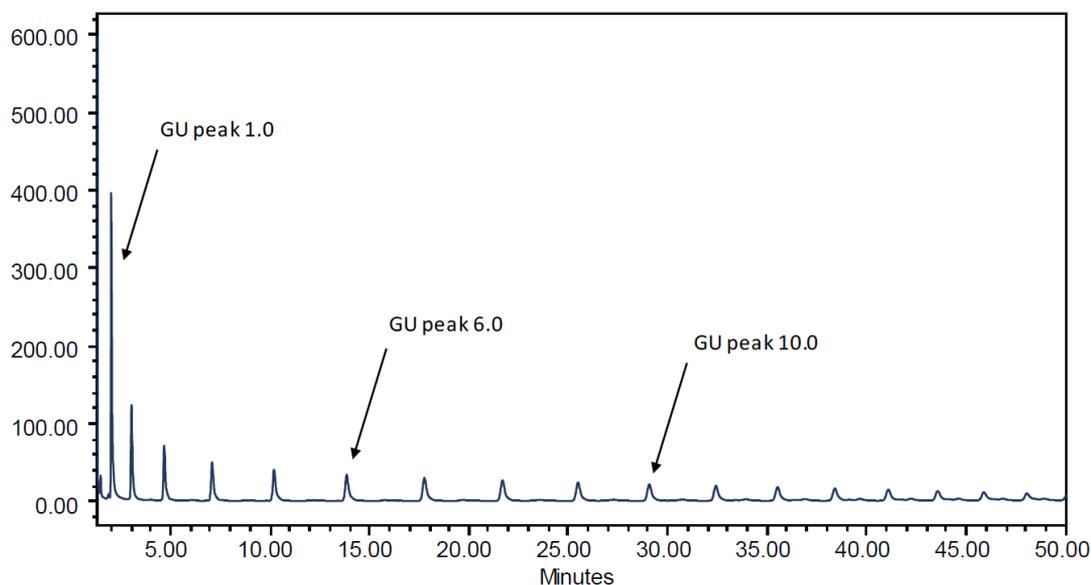


Figure 1: typical fluorescence trace of CPROC-GHP-30

Description: Procainamide labelled glucose homopolymer ladder for use as a calibration standard for HPLC and MS analysis of glycans. The ladder contains glucose homopolymer species from degree of polymerization (dp) 1 to up to dp 22 (i.e. the glucose monomer GU1-PROC to 22 glucose units GU22-PROC).

Preparation: Glucose homopolymer ladder was obtained by controlled acid hydrolysis of dextran then labelled by reductive amination at the reducing termini with the fluorescent glycan tag procainamide (PROC).

Form: Dry. Dried by centrifugal evaporation from an aqueous solution.

- Size:** 30 injections
- Purity:** > 90% pure as assessed by HPLC.
- Use:** Typical dilution is in 300µL water with 10µL aliquots taken for analysis.
- Storage:** Refrigerate (-20°C) both before and after dissolution. This product is stable for at least 5 years as supplied.
- Shipping:** The product can be shipped at ambient when dry. After dissolution, ship on dry ice.
- Handling:** Allow the unopened vial to reach ambient temperature and tap unopened on a solid surface to ensure that most of the lyophilized material is at the bottom of the vial. Gently remove the cap, add the desired volume of reconstitution medium, re-cap and mix thoroughly to bring all the oligosaccharide into solution. We recommend analytical grade pure water as the reconstitution medium. For maximal recovery of oligosaccharide, ensure that the cap lining is also rinsed and centrifuge the reconstituted vial briefly before use. Ensure that any glass, plastic ware or solvents used are free of glycosidases and environmental carbohydrates.
- Safety:** This product is non-hazardous and has been purified from natural sources certified to be free of all hazardous material including pathogenic biological agents.
For research use only. Not for human or drug use

Warranties and liabilities

Ludger warrants that the above product conforms to the attached analytical documents. Should the product fail for reasons other than through misuse Ludger will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and Ludger makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose. Ludger shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

Document Revision Number

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