URINE HEX₄ TEST INFORMATION

Duke Test name: Urine Hex₄ (pronounced “Hex 4”)  
Synonyms: Glucose tetrasaccharide, Glc₄ (pronounced “Gluc 4”), hexose tetrasaccharide, urine oligosaccharides (this can be misleading and should not be encouraged because it is not a general screen for different oligosaccharide species), Pompe urine biomarker.

Test description: Quantification of the total hexose tetrasaccharide fraction in urine for monitoring patients with Pompe disease on therapy. Also useful as a diagnostic test when done in conjunction with GAA enzyme activity measurements in blood (dried blood spots/ PKU cards).

Methodology: Liquid chromatography - tandem mass spectrometry (LC-MS/MS)

Sample Type: Urine; no specific restrictions

Amount of sample: Urine: 1.0 mL; no preservatives. Absolute minimum – 0.25 mL

Shipping: Freeze, ship on dry ice.

CPT Codes: Urine: 82570, 83789

NOTE: Date and time of last meal should be noted on the requisition form.

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