

Centre for Human Metabolomics (CHM)

Test:	Thin layer chromatography of mono-/oligosaccharides (qualitative) & quantitative fructose URINE
CHM LAB Mnemonic:	POLIGOu & PFRUCu & PREDu
NHRPL Tariff code:	4221 + 4321 + 4188 + (4285 x 2) + 4248
Tariff (including VAT):	R 500,87
Description:	Above price includes the assay and interpretation: 1. Quantitative Interpretation: Fructose excretion 2. Qualitative interpretation: Mono-/oligosaccharide excretion pattern
Turnaround time:	1. 20 work days from receipt of sample at our laboratory (part of full screen). 2. Single assay: 10 work days from receipt of sample at our laboratory.
Comments:	1. This test is utilised to evaluate if a monosaccharide-related disorder or oligosaccharidosis may be present. 2. Medication intake/diet may significantly influence the analysis and subsequent result interpretation. 3. Bacterial, protein and blood contamination of the urine sample may result in false positive/negative findings.
Sample requirements, viability, stability:	1) 5 ml random urine. frozen overnight, send on dry ice. 2) Viability: 12 months – kept frozen. 3) NO preservatives shall be added.
Information Required with sample(s):	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing and subsequent diagnosis of a metabolic disorder. <u>Consent to use below information (point 4) is required according to POPIA regulation.</u> 1. Clinical history of the patient. The referring clinician can complete the clinical history form on our website at https://pliem.co.za/test-request-form OR download the clinical history form from our website (same link) and send it with sample/email it to pliem@nwu.ac.za . 2. Other relevant medical reports (e.g. MRI brain, EEG, X-Ray reports, sonar reports, biopsy reports, genetic testing reports, etc) which may assist in the diagnosis of a metabolic disorder can be emailed to pliem@nwu.ac.za . 3. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided and emailed to pliem@nwu.ac.za by the referring pathology laboratory. 4. Please complete the short consent form (https://pliem.co.za/test-request-form) and also indicate if the patient/family would like to be contacted by our Rare Disease Biobank.
Method:	Carbohydrates: Thin layer chromatography assay Fructose : Spectrophotometric assay
Reference range & units:	Carbohydrates: Reference ranges and units not applicable. Fructose ref range available on request
Contact no for results & other enquiries:	018 299 2312 (Call centre): 1) Result, patient, sample and TAT inquiries, 2) Diagnostic/interpretation services, 3) Biobank inquiries
E-mail address:	pliem@nwu.ac.za
Delivery address for samples:	Centre for Human Metabolomics (CHM), Sample reception laboratory (all sites) 11 Hoffmann Street, Building F3, Lab Number G19 (new building ground floor) North West University (NWU), Potchefstroom, 2531

PLEASE NOTE: Collection, courier and administration costs are not included.
Protocol for each individual test is available on our website: www.pliem.co.za

Valid: 1 January 2022 - 31 December 2022