

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Thin layer chromatography of oligosaccharides &amp; quantitative fructose URINE</b>
<b>PLIEM Mnemonic:</b>	<b>POLIGOu &amp; PFRUCu</b>
<b>NHRPL Tariff code:</b>	4221 + 4321 + 4188 + (4285 x 2)
<b>Tariff (including VAT):</b>	R 452.60
<b>Description:</b>	Thin layer chromatogram analyses of carbohydrates (tariff includes quantitative fructose analysis – done with spectrophotometer).
<b>Turnaround time:</b>	1. 35 work days from receipt of sample at PLIEM laboratory (part of full screen). 2. Single assay: 10 work days from receipt of sample at PLIEM laboratory.
<b>Transit stability / sample viability:</b>	Keep frozen, send on dry ice. Viability: 12 months – kept frozen.
<b>Comments:</b>	1. NO preservatives. 2. <b>Medication intake/diet may significantly influence the analysis and subsequent result interpretation.</b>
<b>Sample required:</b>	<b>5 ml random urine, frozen overnight, send on dry ice</b>
<b>Information Required with sample(s):</b>	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing (to assist with a differential diagnosis) cannot be made. 1. Clinical history of the patient. The referring clinician could complete and submit the clinical history on our website at <a href="https://pliem.co.za/test-request-form">https://pliem.co.za/test-request-form</a> OR download the clinical history form from our website (same link) and email the completed form back to our laboratory at <a href="mailto:ansie.mienie@nwu.ac.za">ansie.mienie@nwu.ac.za</a> / <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> . 2. Other significant medical reports for the patient (e.g. MRI brain, EEG, X-Ray reports, sonar reports, biopsy reports, genetic testing reports, etc). The referring clinician must please email these additional reports to <a href="mailto:ansie.mienie@nwu.ac.za">ansie.mienie@nwu.ac.za</a> . 3. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided to our laboratory by the referring pathology laboratory. It could be e-mailed to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> OR send together with the sample(s) of the patient.
<b>Method:</b>	Carbohydrates: Thin layer chromatography assay Fructose : Spectrophotometric assay
<b>Reference range &amp; units:</b>	Carbohydrates: Reference ranges and units not applicable Fructose: Normal: < 2 mmol/L Pathological value: > 2 mmol/L (Interference by medication) <i>Ref: Blau et al. 2014, Physicians guide to diagnosis, treatment and follow-up of inherited metabolic disease. Springer: Heidelberg. Pp 265-300</i>
<b>Contact for results &amp; other enquiries:</b>	Sample reception and resulting
<b>Telephone number:</b>	018 299 2312 / 018 285 2652 (leave message)
<b>Fax number:</b>	018 299 2316
<b>E-mail address:</b>	<a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a>
<b>Delivery address for samples:</b>	Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531