

Centre for Human Metabolomics (CHM)

Test:	Thin layer chromatography of oligosaccharides & quantitative fructose URINE
NHRPL Tariff code:	(4285 x 2) + 4221 + 4321 + 4188
Tariff (including VAT):	R 45.87 + R 45.87 + R 19 + R 145.17 + R 145.17 = R 401.08
Description:	Thin layer chromatogram analyses of carbohydrates (tariff includes quantitative fructose analysis – done with spectrophotometer)
Turnaround time:	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.
Transit stability / sample viability:	Keep frozen, send on dry ice. Viability: 12 months – kept frozen
Comments:	1. NO preservatives. 2. Medication intake/diet may significantly influence the analysis and subsequent result interpretation.
Sample required:	5 ml random urine, frozen overnight, send on dry ice
Method:	Carbohydrates: Thin layer chromatography assay Fructose : Spectrophotometric assay
Reference range & units:	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>
Contact for results & other enquiries:	Sample reception and resulting
Telephone number:	018 299 2312 / 018 285 2652 (leave message)
Fax number:	018 299 2316
E-mail address:	pliem@nwu.ac.za
Delivery address for samples:	Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531