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Centre for Human Metabolomics (CHM)

Test:	**Thin layer chromatography of oligosaccharides & quantitative fructose URINE**
Test Code:	(4285 x 2) + 4221 + 4321 + 4188
Tariff (including VAT):	R 42.47 + R 42.47 + R 17.59 + R 134.42 + R 134.42 = R 371.36
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 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) *Ref: Blau et al. 2014, Physicians guide to diagnosis, treatment and follow-up of inherited metabolic disease. Springer: Heidelberg. Pp 265-300*
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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

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 2018 - 31 December 2018