

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Thin layer chromatography of oligosaccharides &amp; quantitative fructose URINE</b>
<b>Test Code:</b>	(4285 x 2) + 4221 + 4321 + 4188
<b>Tariff (including VAT):</b>	R 42.47 + R 42.47 + R 17.59 + R 134.42 + R 134.42 = R 371.36
<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. <b>2. Medication intake 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>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>
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