

Centre for Human Metabolomics (CHM)

Test:	Quantitative Carnitine Profile SERUM
Test Code:	4020 x2 (Free- and Total Carnitine) 4022 x1 (Acylcarnitine)
Tariff (including VAT):	R 219.77 + R 219.77 + R 439.53 = R 879.07
Description:	Assay, quantification and interpretation
Turnaround time:	1. Done in batches – once a week (Monday). 2. Part of full metabolic evaluation: 35 work days from receipt of sample at PLIEM laboratory. 3. Single analysis: 10 work days from receipt of sample at PLIEM laboratory.
Transit stability / Sample Viability:	Keep frozen, send on dry ice. Viability: 6 months kept frozen
Comments:	1. Separate serum, transfer to another tube, freeze overnight, send on dry ice. 2. Sample is not viable if hemolysed , as it may result in false positives and/or negative results. 3. In addition, medication intake may influence the results .
Sample required:	1. 2x SST tubes: Spin samples down / Separate serum, transfer serum to another tube, freeze overnight, send on dry ice. 2. Haemolysis and medication intake may significantly influence the analysis and subsequent result interpretation.
Method:	TANDEM - MS
Reference range & units:	Reference ranges: age dependant. Units: µmol/L
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