

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Quantitative Acylcarnitine Profile URINE</b>
<b>CHM LAB Mnemonic:</b>	<b>PCARNu</b>
<b>NHRPL Tariff code:</b>	4020 x 2 (Free carnitine) 4022 x 1 (Acylcarnitines) 4221 + 4188 + 4321
<b>Tariff (including VAT):</b>	R 1 253,80
<b>Description:</b>	Above price includes the assay, quantification and interpretation
<b>Turnaround time:</b>	1. Part of full metabolic screen: 20 work days from receipt of sample at our laboratory. 2. Single analysis: 10 work days from receipt of sample at our laboratory.
<b>Comments:</b>	1. Test is informative with regards to carnitine uptake disorder and short/medium chain fatty acid disorders. 2. Medication intake may significantly influence the analysis and subsequent result interpretation. 3. Bacterial, protein and blood contamination of the urine sample may result in false positive/negative findings.
<b>Sample requirements, viability, stability:</b>	1. <b>2 ml urine</b> , NO preservatives added, frozen overnight, send on dry ice. 2. Viability: 1 year – kept frozen
<b>Information Required with sample(s):</b>	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing and subsequent diagnosis of a metabolic disorder. <b><u>Consent to use below information (point 4) is required according to POPIA regulation.</u></b> 1. Clinical history of the patient. The referring clinician can complete the clinical history form 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 send it with sample/email it to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> . 2. Other relevant medical reports (e.g. MRI brain, EEG, X-Ray reports, sonar reports, biopsy reports, genetic testing reports, etc) which may assist in the diagnosis of a metabolic disorder can be emailed to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> . 3. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided and emailed to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> by the referring pathology laboratory. 4. Please complete the short consent form ( <a href="https://pliem.co.za/test-request-form">https://pliem.co.za/test-request-form</a> ) and also indicate if the patient/family would like to be contacted by our Rare Disease Biobank.
<b>Method:</b>	Tandem Mass-spectrometry
<b>Reference range &amp; units:</b>	Reference ranges: age dependant. Units: mmol/mol creatinine
<b>Contact no for results &amp; other enquiries:</b>	018 299 2312 (Call centre): 1) Result, patient, sample and TAT inquiries, 2) Diagnostic/interpretation services, 3) Biobank inquiries
<b>E-mail address:</b>	<a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a>
<b>Delivery address for samples:</b>	Centre for Human Metabolomics (CHM), Sample reception laboratory (all sites) 11 Hoffmann Street, Building F3, Lab Number G19 (new building ground floor) North West University (NWU), Potchefstroom, 2531