

Centre for Human Metabolomics (CHM)

Test:	Quantitative Acylcarnitine Profile BLOOD CARD [DBS]
CHM LAB Mnemonic:	PCARng
NHRPL Tariff code:	4020 x 2 (Free carnitine) 4022 x 1 (Acylcarnitine)
Tariff (including VAT):	R 579,36
Description:	Above price includes the assay, quantification and interpretation
Turnaround time:	1. Part of full metabolic evaluation: 20 work days from receipt of sample at our laboratory. 2. Single analysis: 10 work days from receipt of sample at our laboratory.
Comments:	1. This test is informative with regards to carnitine transporter related disorders. 2. Medication intake may significantly influence the analysis and subsequent result interpretation.
Sample requirements, viability, stability:	1. 1x Dried blood spot [DBS] sample – 4 complete circles 2. Keep in sealed paper envelope after dried according to requirements, send separate from other wet specimens and within 2 days after collection. Humidity and extreme temperature may influence the stability of metabolites. 3. Viability: 1 month, kept in a dry, cool place.
Information Required with sample(s):	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing and subsequent diagnosis of a metabolic disorder. <u>Consent to use below information (point 4) is required according to POPIA regulation.</u> 1. Clinical history of the patient. The referring clinician can complete the clinical history form on our website at https://pliem.co.za/test-request-form OR download the clinical history form from our website (same link) and send it with sample/email it to pliem@nwu.ac.za . 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 pliem@nwu.ac.za . 3. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided and emailed to pliem@nwu.ac.za by the referring pathology laboratory. 4. Please complete the short consent form (https://pliem.co.za/test-request-form) and also indicate if the patient/family would like to be contacted by our Rare Disease Biobank.
Method:	Tandem Mass-Spectrometry
Contact no for results & other enquiries:	018 299 2312 (Call centre): 1) Result, patient, sample and TAT inquiries, 2) Diagnostic/interpretation services, 3) Biobank inquiries
E-mail address:	pliem@nwu.ac.za
Delivery address for samples:	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