

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Pipecolic acid SERUM</b>
<b>CHM LAB Mnemonic:</b>	<b>PPIPEb</b>
<b>NHRPL Tariff code:</b>	4194
<b>Tariff (including VAT):</b>	R1 639,66
<b>Description:</b>	Above price includes the assay, quantification and interpretation
<b>Turnaround time:</b>	15 work days from receipt of sample at our laboratory
<b>Transit stability / Sample viability:</b>	Keep frozen, send on dry ice. Viability: 6 months – kept frozen
<b>Comments:</b>	1. This assay is utilised in the diagnosis of peroxisomal disorders 2. The intake of peanut butter or a ketogenic diet should be avoided for 48 hours (or longer) before sample collection.
<b>Sample requirements, viability, stability:</b>	1. <b>2 ml SST (yellow top tube) serum</b> , separated, transferred, frozen, send on dry ice 2. <b>A fasting sample</b> is required. 3. Sample collection for patients 3.1) below 18 months of age / 3.2) clinically unstable / 3.3) poor fasting tolerances should proceed 3-4 hours AFTER feeding / meal. 4. Viability: 6 months – 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>	Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)
<b>Reference ranges &amp; units:</b>	Reference ranges: age specific & available upon request. Units: µmol/L
<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