Centre for Human Metabolomics (CHM)

Test:	**Quantitative: Very Long Chain Fatty Acids, Phytanic acid, Pristanic acid SERUM**
CHM LAB Mnemonic:	**PPEROXb**
NHRPL Tariff code:	4268 x 2
Tariff (including VAT):	R 4 911,25
Description:	Above price includes the assay, quantification (C22, C24, C26, pristanic acid and phytanic acid) and interpretation.
Turnaround time:	15 work days from receipt of sample at our laboratory
Comments:	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.
Sample requirements, viability, stability:	1. **2 ml SST** (yellow top tube) **serum, separated,** transferred, **frozen, send on dry ice** 2. **A fasting sample 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.
Information Required with sample(s):	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing and subsequen diagnosis of a metabolic disorder. **Consent to use below information (point 4) is required according to POPIA regulation.** 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:	Gas chromatography-mass spectrometry (GC-MS)
Reference ranges & units:	Ref range available on request. Units: mg/g creat
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

PLEASE NOTE: Collection, courier and administration costs are not included.
Protocol for each individual test is available on our website: www.pliem.co.za
Valid: 1 January 2022 - 31 December 2022