Centre for Human Metabolomics (CHM)

Test:	Quantitative TMA (trimethylamine) URINE and Genotyping on EDTA whole blood
CHM LAB Mnemonic:	**PTMA**
NHRPL Tariff code:	4268 x 2 (Urine analysis) 4268 x 2 (DNA analysis)
Tariff (including VAT):	R 9 822,51
Description:	Above price includes the assay, quantification and interpretation
Turnaround time:	3 months (work days, excluding public holidays and weekends) for TMA urine analysis and genotyping of the FMO3 gene from receipt of sample(s) at our laboratory.
Comments:	1. **No random sample without TMA loading will be tested.** 2. NO preservatives shall be added to any of the urine samples, collected at the various intervals. 3. **TMA loading is a requirement for this assay – protocol and other information available from our laboratory (www.pliem.co.za /or/ pliem@nwu.ac.za).**
Sample requirements, viability, stability:	1**. 10 ml urine collected at each time interval** [see TMA loading protocol]. **Cover samples in foil.** 2. Keep samples **frozen** at all times. **Samples must reach our laboratory within 72 hours after completion of the loading test to assure stability of TMA within the urine samples.** 3. **Viability:** samples must reach our laboratory **within 72 hours** after loading assay was performed.
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.
Reference ranges & units:	Base line TMA concentration (mmol/mol crear) as well as FMO metabolic capacity (%) are reported (not age dependent). DNA analysis: Mutation investigation via sequencing of the FMO3 gene
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 2021 - 31 December 2021