

Centre for Human Metabolomics (CHM)

Test:	Quantitative TMA (trimethylamine) URINE and Genotyping
PLIEM 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 preservatives should be added. 2. No random sample without TMA loading will be tested. 3. TMA loading is a requirement for this assay – protocol and other information available from our laboratory (www.pliem.co.za).
Sample requirements, viability, stability:	1. 10 ml urine collected at each time interview [see TMA loading protocol]. 2. Keep samples frozen at all times. Samples must reach lab within 72 hours after completion of the loading test to assure stability of TMA within the urine sample 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 subsequent diagnosis of a metabolic disorder. <u>Consent to use below information (point 4) is required according POPIA regulation.</u> 1. Clinical history of the patient including the TMA symptom observation form. 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.
Reference ranges & units:	Base line TMA concentration (mmol/mol creat) 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:	Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531