Centre for Human Metabolomics (CHM)

Test:	**Quantitative Amino Acids URINE**
PLIEM Mnemonic:	**PAAu**
NHRPL Tariff code:	4221 + 4321 + 4188 + 4194
Tariff (including VAT):	R 1,689.06
Description:	**Biochemical assay includes GCMS analysis of:** alanine, alpha-aminobutyric acid, valine, beta-alanine, beta-amino-isobutyric acid, leucine, isoleucine, threonine, serine, proline, asparagine, aspartic acid, methionine, hydroxyproline, glutamic acid, glutamine, phenylalanine, alpha-aminoadipic acid, glutamine, ornithine, lysine, histidine, tyrosine, tryptophane, cystine, argininosuccinic acid, beta-aminobutyric acid, cystathionine, glycine-proline, gamma-amino-butyric acid (GABA), pipecolic acid. **Excludes:** *Citrulline, Arginine and Homocystine*
Turnaround time:	1. Single assay: 14 workdays from receipt of sample at PLIEM laboratory 2. Part of full metabolic evaluation: 35 work days from receipt of sample at PLIEM laboratory
Transit stability / sample viability:	Keep frozen, send on dry ice. Viability: Kept frozen – 1 year
Comments:	NO preservatives added
Sample required:	2 ml random urine
Information Required with sample(s):	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing (to assist with a differential diagnosis) cannot be made. 1. Clinical history of the patient. The referring clinician could complete and submit the clinical history on our website at https://pliem.co.za/test-request-form OR download the clinical history form from our website (same link) and email the completed form back to our laboratory at ansie.mienie@nwu.ac.za / pliem@nwu.ac.za. 2. Other significant medical reports for the patient (e.g. MRI brain, EEG, X-Ray reports, sonar reports, biopsy reports, genetic testing reports, etc). The referring clinician must please email these additional reports to ansie.mienie@nwu.ac.za. 3. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided to our laboratory by the referring pathology laboratory. It could be e-mailed to pliem@nwu.ac.za OR send together with the sample(s) of the patient.
Method:	G C M S – EZ:faast kit [stable isotopes assay]
Reference range & units:	Reference ranges – age dependant. Units: mmol/mol creatinine.
Contact for results & other inquiries:	Sample reception and resulting
Telephone number:	018 299 2312 / 018 285 2652 (leave message)
Fax number:	018 299 2316
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

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