

Centre for Human Metabolomics (CHM)

Test:	Quantitative Amino Acids SERUM
PLIEM Mnemonic:	PAAb
NHRPL Tariff code:	4194
Tariff (including VAT):	R 1,564.57
Description:	<p>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), pipercolic acid.</p> <p>Excludes: Homocysteine. On request: Arginine, Citrulline.</p>
Turnaround time:	<ol style="list-style-type: none"> 1. Single assay: 14 work days 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:	<p>Keep frozen, send on dry ice.</p> <p>Viability: 6 months kept frozen</p>
Comments:	<ol style="list-style-type: none"> 1. Spin sample down, transfer to another tube and freeze in, send frozen sample on dry ice. 2. NO analysis can be done on a haemolysed sample as this may result in false positive and/or negative results.
Sample required:	SST serum, separated, transferred into another tube, frozen overnight, send on dry ice
Information Required with sample(s):	<p>Absent clinical details may affect the interpretation of results and recommendations for further/additional testing (to assist with a differential diagnosis) cannot be made.</p> <ol style="list-style-type: none"> 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:	<p>Reference ranges – age dependant.</p> <p>Units: µmol/L</p>
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:	<p>Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531</p>