

Centre for Human Metabolomics (CHM)

Test:	Quantitative Amino Acids SERUM
NHRPL Tariff code:	4194
Tariff (including VAT):	R 1 385.53
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: <i>Citrulline. Arainine and Homocysteine</i></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
Method:	G C M S – EZ:faast kit [stable isotopes assay]
Reference range & units:	<p>Reference ranges – age dependant.</p> <p>Units: $\mu\text{mol/L}$</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:	Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531