

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Quantitative Amino Acids SERUM</b>
<b>Test Code:</b>	4194
<b>Tariff (including VAT):</b>	R 1 282.90
<b>Description:</b>	<p><b>Biochemical assay includes GCMS analysis of:</b> 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><b>Excludes:</b> <i>Citrulline. Arainine and Homocysteine</i></p>
<b>Turnaround time:</b>	<ol style="list-style-type: none"> <li>1. Single assay: 14 work days from receipt of sample at PLIEM laboratory</li> <li>2. Part of full metabolic evaluation: 35 work days from receipt of sample at PLIEM laboratory</li> </ol>
<b>Transit stability / sample viability:</b>	<p>Keep frozen, send on dry ice.</p> <p>Viability: 6 months kept frozen</p>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1. Spin sample down, transfer to another tube and freeze overnight, send on dry ice.</li> <li>2. <b>NO analysis</b> can be done <b>on a haemolysed sample</b> as this may result in false positive and/or negative results.</li> </ol>
<b>Sample required:</b>	SST serum, separated, transferred into another tube, frozen overnight, send on dry ice
<b>Method:</b>	G C M S – EZ:faast kit [stable isotopes assay]
<b>Reference range &amp; units:</b>	<p>Reference ranges – age dependant.</p> <p>Units: µmol/L</p>
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