

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Quantitative Amino Acids BLOOD CARD [DBS]</b>
<b>PLIEM Mnemonic:</b>	<b>PAAg</b>
<b>NHRPL Tariff code:</b>	4194
<b>Tariff (including VAT):</b>	R 552.82
<b>Description:</b>	<ol style="list-style-type: none"> <li><b>Selected amino acids</b> including citrulline, tyrosine, phenylalanine, methionine, isoleucine/leucine, valine.</li> <li>List will be extended in 2020 after validation of other amino acids on dried blood spots [DBS].</li> </ol>
<b>Turnaround time:</b>	<ol style="list-style-type: none"> <li>Single assay: 10 work days from receipt of sample at PLIEM laboratory</li> <li>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 in sealed paper envelope after dried according to requirements, send separate from other specimens and within 2 days after collection.</p> <p>Viability: 1 month, kept in a dry place.</p>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>Place dried blood card [DBS] in sealed paper envelope and NOT in plastic bag.</li> <li>Blood card [DBS] must NOT be placed in envelope before completely dry.</li> </ol>
<b>Sample required:</b>	1x Blood Card Sample [DBS] – 4 complete circles
<b>Information Required with sample(s):</b>	<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"> <li>Clinical history of the patient. The referring clinician could complete and submit the clinical history on our website at <a href="https://pliem.co.za/test-request-form">https://pliem.co.za/test-request-form</a> OR download the clinical history form from our website (same link) and email the completed form back to our laboratory at <a href="mailto:ansie.mienie@nwu.ac.za">ansie.mienie@nwu.ac.za</a> / <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a>.</li> <li>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 <a href="mailto:ansie.mienie@nwu.ac.za">ansie.mienie@nwu.ac.za</a>.</li> <li>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 <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> OR send together with the sample(s) of the patient.</li> </ol>
<b>Method:</b>	Tandem Mass Spectrometry
<b>Reference range &amp; units:</b>	<p>Reference ranges – age dependant.</p> <p>Units: <math>\mu\text{mol/L}</math></p>
<b>Contact for results &amp; other inquiries:</b>	Sample reception and resulting
<b>Telephone number:</b>	018 299 2312 / 018 285 2652 (leave message)
<b>Fax number:</b>	018 299 2316
<b>E-mail address:</b>	<a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a>
<b>Delivery address for samples:</b>	<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>