

Centre for Human Metabolomics (CHM)

Test:	Quantitative Amino Acids BLOOD CARD [DBS]
PLIEM Mnemonic:	PAAg
NHRPL Tariff code:	4194
Tariff (including VAT):	R 524.00
Description:	<ol style="list-style-type: none"> Selected amino acids including citrulline, tyrosine, phenylalanine, methionine, isoleucine/leucine, valine. List will be extended in 2020 after validation of other amino acids on dried blood spots [DBS].
Turnaround time:	<ol style="list-style-type: none"> Single assay: 10 work days from receipt of sample at PLIEM laboratory Part of full metabolic evaluation: 35 work days from receipt of sample at PLIEM laboratory
Transit stability / sample viability:	<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>
Comments:	<ol style="list-style-type: none"> Place dried blood card [DBS] in sealed paper envelope and NOT in plastic bag. Blood card [DBS] must NOT be placed in envelope before completely dry.
Sample required:	1x Blood Card Sample [DBS] – 4 complete circles
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"> 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. 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. 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:	Tandem Mass Spectrometry
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:	<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>