

Centre for Human Metabolomics (CHM)

Test:	Quantitative Amino Acids BLOOD CARD [DBS]
CHM LAB Mnemonic:	PAAg
NHRPL Tariff code:	4194
Tariff (including VAT):	R 579,36
Description:	<ol style="list-style-type: none"> Above price includes the assay, quantification and interpretation of selected amino acids (including citrulline, tyrosine, phenylalanine, methionine, isoleucine/leucine, valine). List will be extended in 2022 after validation of other amino acids are completed.
Turnaround time:	<ol style="list-style-type: none"> Single assay: 10 work days from receipt of sample at our laboratory Part of full metabolic evaluation: 20 work days from receipt of sample at our laboratory
Comments:	<ol style="list-style-type: none"> This analysis can be utilised to only rule in or exclude selective amino acid related disorders, associated with above mentioned amino acids. 3. Medication intake may significantly influence the analysis and subsequent result interpretation.
Sample requirements, viability, stability:	<ol style="list-style-type: none"> 1x Dried blood spot [DBS] sample – 4 complete circles Keep in sealed paper envelope after dried according to requirements, send separate from other wet specimens and within 2 days after collection. Humidity and extreme temperature may influence the stability of metabolites Viability: 1 month, kept in a dry, cool place.
Information Required with sample(s):	<p>Absent clinical details may affect the interpretation of results and recommendations for further/additional testing and subsequent diagnosis of a metabolic disorder. <u>Consent to use below information (point 4) is required according to POPIA regulation.</u></p> <ol style="list-style-type: none"> Clinical history of the patient. The referring clinician can complete the clinical history form on our website at https://pliem.co.za/test-request-form OR download the clinical history form from our website (same link) and send it with sample/email it to pliem@nwu.ac.za. Other relevant medical reports (e.g. MRI brain, EEG, X-Ray reports, sonar reports, biopsy reports, genetic testing reports, etc) which may assist in the diagnosis of a metabolic disorder can be emailed to pliem@nwu.ac.za. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided and emailed to pliem@nwu.ac.za by the referring pathology laboratory. Please complete the short consent form (https://pliem.co.za/test-request-form) and also indicate if the patient/family would like to be contacted by our Rare Disease Biobank.
Method:	Tandem Mass Spectrometry
Reference range & units:	Reference ranges – age dependant. Units: $\mu\text{mol/L}$
Contact no for results & other enquiries:	018 299 2312 (Call centre): 1) Result, patient, sample and TAT inquiries, 2) Diagnostic/interpretation services, 3) Biobank inquiries
E-mail address:	pliem@nwu.ac.za
Delivery address for samples:	Centre for Human Metabolomics (CHM), Sample reception laboratory (all sites) 11 Hoffmann Street, Building F3, Lab Number G19 (new building ground floor) North West University (NWU), Potchefstroom, 2531