Centre for Human Metabolomics (CHM)

Test:	**Quantitative Citrulline BLOOD CARD SAMPLE [DBS]**
PLIEM Mnemonic:	**NPCIT**
NHRPL Tariff code:	4238
Tariff (including VAT):	R 552.82
Description:	Assay, quantification and interpretation.
Turnaround time:	9 work days from receipt of sample at PLIEM laboratory
Transit stability / Sample viability:	Keep in sealed paper envelope after dried according to requirements, send separate from other specimens and within 2 days after collection. Viability: 1 month, kept in a dry place.
Comments:	1. Place dried blood card [DBS] in sealed paper envelope and NOT in plastic bag. 2. 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):	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing (to assist with a differential diagnosis) cannot be made. 1. 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. 2. 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. 3. 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 ranges in µmol/L: **Citrulline** 0-1 Month: 28-40 >1 Month-20 yrs: 24–49 **Literature reference:** Goossens *et al* 2015, Citrulline levels in a paediatric age group: Does measurement on dried blood spots have additional value? *Clinica Chimica Acta* 412: 661-664
Contact for results & other enquiries:	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

PLEASE NOTE: Collection, courier and administration costs are not included.
Protocol for each individual test is available on our website: www.pliem.co.za
Valid: 1 January 2021 - 31 December 2021