

Centre for Human Metabolomics (CHM)

Test:	Quantitative Citrulline BLOOD CARD SAMPLE [DBS]						
PLIEM Mnemonic:	NPCIT						
NHRPL Tariff code:	4238						
Tariff (including VAT):	R 524.00						
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						
	<p>Reference ranges in $\mu\text{mol/L}$:</p> <table border="1"> <thead> <tr> <th></th> <th>Citrulline</th> </tr> </thead> <tbody> <tr> <td>0-1 Month</td> <td>28-40</td> </tr> <tr> <td>>1 Month-20 yrs</td> <td>24-49</td> </tr> </tbody> </table> <p>Literature reference: Goossens <i>et al</i> 2015, Citrulline levels in a paediatric age group: Does measurement on dried blood spots have additional value? <i>Clinica Chimica Acta</i> 412: 661-664</p>		Citrulline	0-1 Month	28-40	>1 Month-20 yrs	24-49
	Citrulline						
0-1 Month	28-40						
>1 Month-20 yrs	24-49						
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						