

Centre for Human Metabolomics (CHM)

Test:	Quantitative Isotope Specific HOMOCYSTINE URINE						
PLIEM Mnemonic:	Random urine: PHCYSRu 24h urine: PHCYS24						
NHRPL Tariff code:	4221 + 4321 + 4188 + 4238						
Tariff (including VAT):	R 642.00						
Description:	LC-MS Isotope dilution Assay – Sulphur containing amino acid						
Turnaround time:	10 work days from receipt of sample at our laboratory						
Transit stability / Sample viability:	Keep frozen, sent on dry ice. Viability: 12 months – kept frozen						
Comments:	1. NO preservatives should be added 2. Total volume information for 24 hour period is required , for calculation of excretion per day.						
Sample required:	15 ml aliquot from 24 hour urine sample, frozen, send on dry ice						
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						
	New reference ranges implemented from 1 February 2016. <table border="1" data-bbox="635 1397 1337 1563"> <thead> <tr> <th>Age group</th> <th>Random (mmol/mol creat)</th> <th>24 hour (µmol/day)</th> </tr> </thead> <tbody> <tr> <td>All ages Male & female</td> <td>0.2 - 4.0</td> <td>3.0 - 10.0</td> </tr> </tbody> </table> Reference: Blau et al. 2005. Inborn Errors of metabolic disease diagnosis and treatment. Springer-Verlag. Heidelberg.	Age group	Random (mmol/mol creat)	24 hour (µmol/day)	All ages Male & female	0.2 - 4.0	3.0 - 10.0
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All ages Male & female	0.2 - 4.0	3.0 - 10.0					
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						