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Centre for Human Metabolomics (CHM)

<table>
<tr><td>Test:</td><td>Quantitative Isotope Specific HOMOCYSTINE URINE</td></tr>
<tr><td>NHRPL Tariff code:</td><td>4221 + 4321 + 4188 + 4238</td></tr>
<tr><td>Tariff (including VAT):</td><td>R 45.87 + R 45.87 + R 19 + R 489.53 = R 600.27</td></tr>
<tr><td>Description:</td><td>LC-MS Isotope dilution Assay – Sulphur containing amino acid</td></tr>
<tr><td>Turnaround time:</td><td>10 work days from receipt of sample at our laboratory</td></tr>
<tr><td>Transit stability / Sample viability:</td><td>Keep frozen, sent on dry ice.
Viability: 12 months – kept frozen</td></tr>
<tr><td>Comments:</td><td>1. NO preservatives should be added
2. Total volume information for 24 hour period is required, for calculation of excretion per day.</td></tr>
<tr><td>Sample required:</td><td>15 ml aliquot from 24 hour urine sample, frozen, send on dry ice</td></tr>
<tr><td>Method:</td><td>Tandem-Mass-Spectrometry</td></tr>
<tr><td>Reference ranges & units:</td><td>New reference ranges implemented from 1 February 2016.
<table>
<tr><th>Age group</th><th>Random (mmol/mol creat)</th><th>24 hour (µmol/day)</th></tr>
<tr><td>All ages
Male & female</td><td>0.2 - 4.0</td><td>3.0 - 10.0</td></tr>
</table>
Reference: Blau et al. 2005. Inborn Errors of metabolic disease diagnosis and treatment. Springer-Verlag. Heidelberg.</td></tr>
<tr><td>Contact for results & other enquiries:</td><td>Sample reception and resulting</td></tr>
<tr><td>Telephone number:</td><td>018 299 2312 / 018 285 2652 (leave message)</td></tr>
<tr><td>Fax number:</td><td>018 299 2316</td></tr>
<tr><td>E-mail address:</td><td>pliem@nwu.ac.za</td></tr>
<tr><td>Delivery address for samples:</td><td>Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS)
Building F3, Room Number G19, 11 Hoffmann street
North West University, Potchefstroom, 2531</td></tr>
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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 2019 - 31 December 2019