

Centre for Human Metabolomics (CHM)

Test:	Quantitative Isotope Specific HOMOCYSTINE URINE						
Test Code:	4221 + 4321 + 4188 + 4238						
Tariff (including VAT):	R 42.47 + R 42.47 + R 17.59 + R 453.27 = R 555.80						
Description:	LC-MS Isotope dilution Assay – Sulphur containing amino acid						
Turnaround time:	14 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 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						
Method:	Tandem-MS [isotope specific assay]						
Reference ranges & units:	<p>New reference ranges implemented from 1 February 2016.</p> <table border="1"> <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> <p>Reference: Blau et al. 2005. Inborn Errors of metabolic disease diagnosis and treatment. Springer-Verlag. Heidelberg.</p>	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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