

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Quantitative Glycine Specific Assay – CSF + SERUM</b>
<b>NHRPL Tariff code:</b>	4194 – Serum Glycine 4194 – CSF Glycine
<b>Tariff (including VAT):</b>	R 1385.52 x 2 = R 2771.04
<b>Description:</b>	Assay & Quantification of GLYCINE in SERUM + CSF SAMPLES. Determination of GLYCINE CSF/SERUM ratio.
<b>Turnaround time:</b>	14 work days from receipt of sample at our laboratory
<b>Transit stability / Sample viability:</b>	Keep frozen, send on dry ice. Viability: 6 months – kept frozen
<b>Comments:</b>	<ol style="list-style-type: none"> <li><b>1. Medication intake may significantly influence the analysis and subsequent result interpretation.</b></li> <li><b>2. The intake of anticonvulsants may result in false positive results.</b></li> <li><b>3. NO analysis can be done on haemolysed samples.</b></li> </ol>
<b>Samples required:</b>	<p style="text-align: center;"><b>Serum + CSF required (<i>same sample date</i> )</b></p> <ol style="list-style-type: none"> <li><b>1. 2 ml SST serum</b> (yellow top), separated, transferred to another tube, kept frozen), sent on dry ice <u>AND</u></li> <li><b>2. 1 ml CSF (cerebrospinal fluid)</b> sample, kept frozen, sent on dry ice</li> </ol>
<b>Method:</b>	G C M S [isotope specific assay] [EZ:faast assay modified for glycine determination]
<b>Reference ranges &amp; units:</b>	Values will be reported in µmol/l according to ref ranges provided in: <i>Hennermann et al 2012. Prediction of long-term outcome in glycine encephalopathy: a clinical survey J Inherit Metab Dis 35:253–261.</i>
<b>Contact for results &amp; other enquiries:</b>	Sample reception and resulting
<b>Telephone number:</b>	018 299 2312 / 018 285 2652 (leave message)
<b>Fax number:</b>	018 299 2316
<b>E-mail address:</b>	<a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a>
<b>Delivery address for samples:</b>	Center for Human Metabolomics (CHM), Sample reception (PLIEM/NBS/CRS) Building F3, Room Number G19, 11 Hoffmann street North West University, Potchefstroom, 2531