

Centre for Human Metabolomics (CHM)

<b>Test:</b>	<b>Quantitative Glycine Specific Assay – CSF + SERUM</b>
<b>Test Code:</b>	4194 – Serum Glycine 4194 – CSF Glycine
<b>Tariff (including VAT):</b>	R 1282.89 x 2 = R 2565.78
<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, frozen overnight), sent on dry ice <u>AND</u></li> <li><b>2. 1 ml CSF (cerebrospinal fluid)</b> sample, frozen overnight, sent on dry ice</li> </ol>
<b>Method:</b>	G C M S [isotope specific assay] [EZ:faast assay modified for glycine determination: October 2008]
<b>Reference ranges &amp; units:</b>	Values will be reported in µmol/l according to ref ranges provided in <i>Blau et al. 2014, physicians guide to diagnosis, treatment and follow-up of inherited metabolic disease. Springer: Heidelberg. Pp 63-86</i>
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