

Centre for Human Metabolomics (CHM)

Test:	Quantitative Glycine Specific Assay – CSF + SERUM
Test Code:	4194 – Serum Glycine 4194 – CSF Glycine
Tariff (including VAT):	R 1282.89 x 2 = R 2565.78
Description:	Assay & Quantification of GLYCINE in SERUM + CSF SAMPLES. Determination of GLYCINE CSF/SERUM ratio.
Turnaround time:	14 work days from receipt of sample at our laboratory
Transit stability / Sample viability:	Keep frozen, send on dry ice. Viability: 6 months – kept frozen
Comments:	<ol style="list-style-type: none"> 1. Medication intake may significantly influence the analysis and subsequent result interpretation. 2. The intake of anticonvulsants may result in false positive results. 3. NO analysis can be done on haemolysed samples.
Samples required:	<p style="text-align: center;">Serum + CSF required (<i>same sample date</i>)</p> <ol style="list-style-type: none"> 1. 2 ml SST serum (yellow top), separated, transferred to another tube, frozen overnight), sent on dry ice <u>AND</u> 2. 1 ml CSF (cerebrospinal fluid) sample, frozen overnight, sent on dry ice
Method:	G C M S [isotope specific assay] [EZ:faast assay modified for glycine determination: October 2008]
Reference ranges & units:	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>
Consultant/Scientist:	Dr Marli Dercksen / Prof Chris Vorster
Telephone number:	018 299 2302 / 018 299 4196
E-mail address:	marli.dercksen@nwu.ac.za / chris.vorster@nwu.ac.za
Contact for results & other enquiries:	Ansie Mienie
Telephone number:	018 299 2312 / 018 285 2652 (leave message)
Fax number:	018 299 2316
E-mail address:	ansie.mienie@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