

<b>Test:</b>	<b>Glycosaminoglycan (GAGs/MPS DMB) analysis (Total and individual GAG assessment) - URINE</b>
<b>CHM LAB Mnemonics:</b>	<b>PDMBu &amp; PGAGu</b>
<b>NHRPL Tariff code:</b>	4221 + 4321 + 4188 + 4216 + 4326
<b>Tariff (including VAT):</b>	R 1 438,45
<b>Description:</b>	Above price includes the assay and interpretation: Quantitative: Total GAGs. Qualitative interpretation: Absent/present: Heparan sulfate, Dermatan sulfate, Chondroitin Sulfate.
<b>Turnaround time:</b>	1. 20 work days from receipt of sample at our laboratory (part of full screen). 2. 15 work days from receipt of sample at our laboratory (single request).
<b>Comments:</b>	1. This test is utilised in the diagnosis of MPS I, II, III, VI, VII. MPS IV cannot be excluded by the performed analysis. 2. Medication intake may significantly influence the analysis and subsequent result interpretation. 3. Bacterial, protein and blood contamination of the urine sample may result in false positive/negative findings.
<b>Sample requirements, viability, stability:</b>	1. <b>5 ml random urine.</b> If succinylacetone is requested, the container should be protected from light (cover in foil) and paperwork should indicate for succinylacetone analysis. Frozen overnight, send on dry ice. 2. Viability: 12 months – kept frozen. / Succinylacetone stability: no more than 7 days. 3. NO preservatives shall be added.
<b>Information Required with sample(s):</b>	Absent clinical details may affect the interpretation of results and recommendations for further/additional testing and subsequent diagnosis of a metabolic disorder. <b><u>Consent to use below information (point 4) is required according to POPIA regulation.</u></b> 1. Clinical history of the patient. The referring clinician can complete the clinical history form on our website at <a href="https://pliem.co.za/test-request-form">https://pliem.co.za/test-request-form</a> OR download the clinical history form from our website (same link) and send it with sample/email it to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> . 2. Other relevant medical reports (e.g. MRI brain, EEG, X-Ray reports, sonar reports, biopsy reports, genetic testing reports, etc.) which may assist in the diagnosis of a metabolic disorder can be emailed to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> . 3. Cumulative, routine pathology results of the patient (including archive results available) - this must be provided and emailed to <a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a> by the referring pathology laboratory. 4. Please complete the short consent form ( <a href="https://pliem.co.za/test-request-form">https://pliem.co.za/test-request-form</a> ) and also indicate if the patient/family would like to be contacted by our Rare Disease Biobank.
<b>Method:</b>	Spectrophotometry + Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)
<b>Reference range &amp; units:</b>	Total GAG ref range available on request. Total GAGs: mg/g creat. Individual GAGs reported as present/absent)
<b>Contact no for results &amp; other enquiries:</b>	018 299 2312 (Call centre): 1) Result, patient, sample and TAT inquiries, 2) Diagnostic/interpretation services, 3) Biobank inquiries
<b>E-mail address:</b>	<a href="mailto:pliem@nwu.ac.za">pliem@nwu.ac.za</a>
<b>Delivery address for samples:</b>	Centre for Human Metabolomics (CHM), Sample reception laboratory (all sites) 11 Hoffmann Street, Building F3, Lab Number G19 (new building ground floor) North West University (NWU), Potchefstroom, 2531

PLEASE NOTE: Collection, courier and administration costs are not included.  
Protocol for each individual test is available on our website: [www.pliem.co.za](http://www.pliem.co.za)

Valid: 1 January 2022 - 31 December 2022