



Laboratory Service Manual

Lab Dept: Urine/Stool

Test Name: GAG, URINE

General Information

Lab Order Codes: UGAG

Synonyms: Urinary Glycosaminoglycans; Quantitation of urinary Mucopolysaccharides

CPT Codes: 83864 - Mucopolysaccharides, acid; quantitative
82486- Chromatography, qualitative; column analyte not elsewhere specified
82485 – Chondroitin B sulfate, quantitative
82491 – Chromatography, quantitative, column; single analyte not elsewhere specified, single stationary and mobile phase
82664 – Electrophoretic technique, not elsewhere specified

Test Includes: Quantitation of urinary mucopolysaccharides. (This provides an extensive analysis of gags and includes glycosaminoglycans – measured by uronic acid and specific assay for heparin sulfate and electrophoresis which provides separation of each of the gag components).

Logistics

Test Indications: Urine glycosaminoglycan studies may be used for the monitoring of patients who have been treated for mucopolysaccharidoses.

Lab Testing Sections: Urine/Stool - Sendouts

Referred to: University of Alabama, Department of Genetics, Metabolic Disease Laboratory

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: 24 hours, daily

Turnaround Time: Results within 1-2 weeks

Special Instructions: Please submit [a patient history form](#) for each patient specimen or fax the information to (205) 975-2742.

Specimen



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Specimen Type:	Fresh Random Urine
Container:	Clean plastic container
Draw Volume:	20 – 50 mL
Processed Volume:	Same as Draw Volume
Collection:	Fresh random urine collection
Special Processing:	Lab Staff: Store urine frozen and shipped on dry ice by overnight express to the laboratory. Ship Sunday-Wednesday (with exception of holidays). Reference lab is open Monday-Thursday to receive specimens. Please submit a patient history form for each patient specimen or fax the information to (205) 975-2742.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimen

Interpretive

Reference Range:	An interpretive report will be provided
Critical Values:	N/A
Limitations:	N/A
Methodology:	Quantization by uronic acid and N-sulfate analysis; Qualitative analysis by electrophoresis
References:	University of Alabama , Metabolic Disease laboratory