Test Definition: NAGS

Hexosaminidase A and Total Hexosaminidase, Serum

Reporting Title: Hexosaminidase A and Total, S
Performing Location: Rochester

Specimen Requirements:

Container/Tube:
Preferred: Red top
Acceptable: Serum gel
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Additional Information:
1. Serum assay results are not valid on pregnant females and will not be run. If carrier screening for Tay-Sachs or Sandhoff disease is desired in a pregnant female and testing was not performed prior to pregnancy, refer to NAGR/82943 Hexosaminidase A and Total, Leukocytes/Molecular Reflex or NAGW/8775 Hexosaminidase A and Total Hexosaminidase, Leukocytes for testing on the patient and partner.
2. The recommended test for Tay-Sachs carrier screening (regardless of gender or pregnancy status) is NAGR/82943 Hexosaminidase A and Total, Leukocytes/Molecular Reflex.
Forms:
1. 1. New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.
2. 2. If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	30 days
	Refrigerated	7 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
27612	Hexosaminidase Total, S	Numeric	nmol/min/mL	1956-2
27613	Hexosaminidase Percent A, S	Numeric	%	12914-8
27216	Interpretation (NAGS)	Alphanumeric		59462-2
27218	Reviewed By	Numeric		N/A

CPT Code: 1 × 83080

Reference Values:

HEXOSAMINIDASE TOTAL, S
< or =15 years: > or =20 nmol/min/mL
> or =16 years: 10.4-23.8 nmol/min/mL

HEXOSAMINIDASE PERCENT A, S
< or =15 years: 20-90%
> or =16 years: 56-80%