

**Reporting Title:** SOD1 Gene, Full Gene Analysis  
**Performing Location:** Rochester

**Ordering Guidance:**  
The recommended first tier test for amyotrophic lateral sclerosis is C9ORF / *C9orf72* Hexanucleotide Repeat, Molecular Analysis, Varies.

Targeted testing (also called site-specific or known variants testing) is available [for variants identified in the SOD1 gene](#). See FMTT / Familial Variant, Targeted Testing, Varies. [To obtain more information about this testing option, call 800-533-1710.](#)

Testing for the *SOD1* gene as part of a customized panel is available. For more information see CGPH / Custom Gene Panel, Hereditary, Next-Generation Sequencing, Varies.

**Shipping Instructions:**  
Specimen preferred to arrive within 96 hours of collection.

**Specimen Requirements:**  
**Patient Preparation:** A previous bone marrow transplant from an allogenic donor will interfere with testing. Call 800-533-1710 for instructions for testing patients who have received a bone marrow transplant.  
**Specimen Type:** Whole blood  
**Container/Tube:** Lavender top (EDTA) or yellow top (ACD)  
**Acceptable:** Any anticoagulant  
**Specimen Volume:** 3 mL  
**Collection Instructions:**  
1. Invert several times to mix blood.  
2. Send whole blood specimen in original tube. **Do not aliquot.**  
**Specimen Stability Information:** Ambient (preferred)/Refrigerated

**Forms:**  
1. **New York Clients-Informed consent is required.** Document on the request form or electronic order that a copy is on file. The following documents are available:  
-[Informed Consent for Genetic Testing](#) (T576)  
-[Informed Consent for Genetic Testing \(Spanish\)](#) (T826)  
2. [Molecular Genetics: Neurology Patient Information](#)  
3. If not ordering electronically, complete, print, and send a [Neurology Specialty Testing Client Test Request](#) (T732) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Varies		

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
617741	Test Description	Alphanumeric		62364-5

617742	Specimen	Alphanumeric		31208-2
617743	Source	Alphanumeric		31208-2
617744	Result Summary	Alphanumeric		50397-9
617745	Result	Alphanumeric		82939-0
617746	Interpretation	Alphanumeric		69047-9
618193	Additional Results	Alphanumeric		82939-0
617747	Resources	Alphanumeric		99622-3
617748	Additional Information	Alphanumeric		48767-8
617749	Method	Alphanumeric		85069-3
617750	Genes Analyzed	Alphanumeric		48018-6
617751	Disclaimer	Alphanumeric		62364-5
617752	Released By	Alphanumeric		18771-6

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

Supplemental

CPT Code Information:

81404

Reference Values:

An interpretive report will be provided.