
Reporting Title: Long QT Syndrome Gene Panel

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Ordering Guidance:

This test is intended for genetic screening for and diagnosis of long QT syndrome.

For Brugada syndrome genetic testing, order SCN5A / Brugada Syndrome Multi-Gene Panel, Blood.

For comprehensive inherited cardiac arrhythmia genetic testing, order CARGG / Comprehensive Arrhythmia Gene Panel, Varies.

Customization of this panel and single gene analysis for any gene present on this panel are available. For more information see CGPH / Custom Gene Panel, Hereditary, Next-Generation Sequencing, Varies.

Targeted testing for familial variants (also called site-specific or known mutations testing) is available for the genes on this panel. See FMTT / Familial Variant, Targeted Testing, Varies. To obtain more information about this testing option, call 800-533-1710.

Shipping Instructions:

Specimen preferred to arrive within 96 hours of collection.

Necessary Information:

[Prior Authorization](#) is available, **but not required**, for this test. If proceeding with the prior authorization process, submit the required form with the specimen.

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:

Preferred: 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:

. **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. [Hereditary Cardiomyopathies and Arrhythmias Patient Information](#)

3. [Long QT Syndrome Gene Panel \(LQTSG\) Prior Authorization Ordering Instructions](#)

4. If not ordering electronically, complete, print, and send a [Cardiovascular Test Request Form](#) (T724) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Varies		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
617352	Test Description	Alphanumeric		62364-5
617353	Specimen	Alphanumeric		31208-2
617354	Source	Alphanumeric		31208-2
617355	Result Summary	Alphanumeric		50397-9
617356	Result	Alphanumeric		82939-0
617357	Interpretation	Alphanumeric		69047-9
617358	Additional Results	Alphanumeric		82939-0
617359	Resources	Alphanumeric		99622-3
617360	Additional Information	Alphanumeric		48767-8
617361	Method	Alphanumeric		85069-3
617362	Genes Analyzed	Alphanumeric		48018-6
617363	Disclaimer	Alphanumeric		62364-5
617364	Released By	Alphanumeric		18771-6

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

Supplemental Report:

Supplemental

CPT Code Information:

- 81403
- 81406 x2
- 81407
- 81479
- 81479 (if appropriate for government payers)

Reference Values:

An interpretive report will be provided.