



Mayo Clinic Laboratories is pleased to offer prior authorization services and third party billing on our Long QT Syndrome Gene Panel, Varies (LQTSG). To utilize our prior authorization services on this test, you must follow the process as outlined below.

### **Ordering and Prior Authorization Process**

Mayo Clinic Laboratories utilizes an extract and hold process for prior authorization. To order LQTSG with prior authorization services, complete this document as instructed below by insurance type. **You must order test code LQTSG and send the completed paperwork in with the sample.** The receipt of the paperwork and sample at Mayo Clinic Laboratories will trigger the extract and hold process and generate a request to the MCL Business Office to verify your patient's insurance coverage for the testing and begin any additional prior authorization services.

If the expected patient out-of-pocket expense is \$200 or less after prior authorization services, Mayo Clinic Laboratories will automatically proceed with LQTSG testing. If the expected patient out-of-pocket expense is greater than \$200, Mayo Clinic Laboratories will seek approval from the client contact listed on the Patient Demographics and Third Party Billing Information form **before proceeding** with LQTSG testing. The MCL Business Office offers interest-free payment plans on balances over \$200.

### **Commercial Insurance**

For patients with commercial insurance, complete the following, staple them together and send with the specimen:

- Patient Demographics and Third Party Billing Information form (required)
- Letter of Medical Necessity (required)
- Copy of front and back of insurance card (if available)

**Note:** The Advanced Beneficiary Notice of Noncoverage (ABN) form is not required for commercial insurance-covered patients.

### **Medicare**

For patients with Medicare, complete the following, staple them together and send with the specimen:

- Patient Demographics and Third Party Billing Information form (required)
- Advanced Beneficiary Notice of Noncoverage (ABN) form (required – see separate ABN form: MC2934-335)
- Copy of front and back of secondary insurance card (if applicable)

Attach the ABN form and copy of the secondary insurance card to the Patient Demographics and Third Party Billing Information form and send with the specimen.

**Note:** The Letter of Medical Necessity and a copy of the Medicare card are not required for Medicare-covered patients.

### **Medicaid**

Mayo Clinic Laboratories may be able to file claims for your Medicaid-covered patients. Before ordering, contact the MCL Business Office at 800-447-6424 to discuss. Have the patient's Medicaid information available when calling.

**Note:** These instructions are subject to change at any time. Call the MCL Business Office at 800-447-6424 with any questions.



## Prior Authorization Patient Demographics and Third Party Billing Information

**Client Order Number**

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**Patient Demographics and Insurance Information**

Patient Name (Last, First Middle)		Birth Date (mm-dd-yyyy)	
Sex Assigned at Birth <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Unknown <input type="checkbox"/> Choose not to disclose		Legal/Administrative Sex <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Nonbinary	
Patient Mailing Address		City	State ZIP Code
Primary Insurance Company Name	Insurance Subscriber ID No. / Policy No.	Insurance Group No. (if applicable)	
Primary Insurance Company Mailing Address		City	State ZIP Code
Primary Insurance Company Phone	Subscriber Name (if different than patient) and Relationship to Patient		

**Order Information**

MCL Test ID <b>LQTSG</b>	Name of desired MCL test <b>Long QT Syndrome Gene Panel, Varies</b>		
ICD-10 Codes (use number codes to highest specificity)		Service/Collection Date (mm-dd-yyyy)	
Referring Provider Name (Last, First)		Referring Provider's National Provider ID (NPI)	

**Client Account and Client Contact Information**

MCL Client Account Number (if known)	Referring Client Facility Name		
Contact Name		Contact Phone	
Contact Email		Date Today (mm-dd-yyyy)	

**Attach the Following to This Completed Form**

- Letter of Medical Necessity (required except for Medicare patients) – template provided on page 3
- Advanced Beneficiary Notice of Noncoverage (ABN) form (required for Medicare patients only) – see separate form: MC2934-335
  - Templates provided on the following pages
- Copy of front and back of patient's insurance card (if available)

## Letter of Medical Necessity for Long QT Syndrome Gene Panel (LQTSG) Testing

Patient Name (Last, First Middle) \_\_\_\_\_

Birth Date (mm-dd-yyyy) \_\_\_\_\_

Member Number \_\_\_\_\_

Group \_\_\_\_\_

ICD-10 Codes \_\_\_\_\_

To Whom It May Concern:

We are requesting preauthorization for the Hereditary Long QT Syndrome Gene Panel, Varies (LQTSG) performed by

Mayo Clinic Laboratories for (insert patient name) \_\_\_\_\_

Patient's personal medical history is significant for \_\_\_\_\_

Patient's family history is significant for \_\_\_\_\_

Due to the patient's medical history, a diagnosis of long QT syndrome (LQTS) is suspected and genetic testing is recommended.

**Rationale:** The Heart Rhythm Society (HRS), European Heart Rhythm Association (EHRA), Asia Pacific Heart Rhythm Society (APHRS), Latin American Heart Rhythm Society (LAHRS), and the Heart Failure Society of America (HFSA) recommend that genetic testing be offered to individuals with suspected long QT syndrome (LQTS).<sup>1,2</sup> Test results will have a direct impact on this patient's medical management, screening, and prevention of potential complications of LQTS, including sudden cardiac arrest and sudden cardiac death.<sup>3</sup> The clinical diagnosis of LQTS can be difficult to establish due to uncertain or borderline results from routine diagnostic tests, such as electrocardiogram (EKG). Furthermore, some affected individuals can be asymptomatic, with sudden cardiac death being the first presentation of the condition in some individuals.

Genetic testing is used to confirm a diagnosis and/or identify at-risk individuals. This testing would allow for identification of a gene variant causative of the patient's medical history, and would have significant implications for the patient's clinical management regarding decisionmaking and medical management. Management recommendations for LQTS may involve consideration of implantable cardioverter defibrillator (ICD) placement to prevent sudden cardiac death.<sup>3</sup> However, the decision to implant an ICD is very expensive and involves the potential for surgical and/or device complications, as well as important psychological implications for the patient. Confirmation of the diagnosis of LQTS by genetic testing is, therefore, an important factor in the decision on whether or not to proceed with ICD therapy. Knowledge of the causative gene also helps to identify the triggers that can cause a cardiac event and allows for patient counseling to avoid these triggers. Avoidance of medications known to prolong the QT interval is also recommended for individuals with confirmed LQTS. In summary, a positive genetic test result would provide a definitive cause for this patient's medical history and would ensure this patient is being treated appropriately.

A negative genetic test result could also be informative. A negative result may help to reinforce that the patient does not have LQTS or, alternatively, it could indicate that additional genetic testing (such as whole exome or whole genome sequencing) should be considered to confirm an alternate diagnosis and allow for gene-specific management and screening.

Genetic testing can confirm a diagnosis of LQTS, and a positive result may mean family members are at up to a 50% risk of being affected with LQTS. When a familial variant has been identified, genetic testing can identify family members who are not at increased risk for LQTS-related cardiac arrhythmias and sudden cardiac death. No other test can reliably differentiate unaffected family members, who do not require further health screening, from presymptomatic, affected family members who must be followed closely by a cardiologist.

Test requested: Long QT Syndrome Gene Panel, Varies (LQTSG) is a cost-effective test that utilizes next-generation sequencing (NGS) to evaluate the 10 for long QT syndrome-associated variants.

Laboratory information: Testing would be performed at Mayo Clinic Laboratories (TIN# 411346366 / NPI# 1093792350), a CAP-accredited and CLIA-certified laboratory, using 2020 CPT codes: 81403, 81406 (x2), 81407, 81479.

Thank you for your thoughtful consideration of our preauthorization request. We look forward to hearing back from you.

Sincerely,

Ordering Provider Name \_\_\_\_\_

Contact information \_\_\_\_\_

**References**

1. Wilde AAM, Semsarian C, Marquez MF, et al. European Heart Rhythm Association (EHRA)/Heart Rhythm Society (HRS)/Asia Pacific Heart Rhythm Society (APHSR)/Latin American Heart Rhythm Society (LAHRS) Expert Consensus Statement on the state of genetic testing for cardiac diseases. *Europace* 2022;24:1307-1367.
2. Al-Khatib SM, Stevenson WG, Ackerman MJ, et al. 2017 AHA/ACC/HRS Guideline for Management of Patients With Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Rhythm Society [published correction appears in *J Am Coll Cardiol*. 2018 Oct 2;72(14):1760]. *J Am Coll Cardiol*. 2018;72(14):e91-e220. doi:10.1016/j.jacc.2017.10.054
3. Zeppenfeld K, Tfelt-Hansen J, de Riva M, et al. 2022 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death. *Eur Heart J*. 2022;43(40):3997-4126. doi:10.1093/eurheartj/ehac262

**Advance Beneficiary Notice of Non-coverage (ABN)**

Medicare doesn't pay for everything, even some care you or your health care provider think you need. **We expect Medicare may not pay for the item, test, service or care listed below.** If Medicare doesn't pay, you may have to pay.

Item, Test, Service or Care	Reason Medicare May Not Pay	Estimated Cost
LQTSG / Long QT Syndrome Gene Panel, Varies	Patient's personal and family history of cancer does not meet Medicare's medical necessity coverage criteria for this laboratory test.	\$2,400.00

**What to do now**

- Read this notice to make an informed decision about your care.
- Ask any questions you have.
- Choose one option below to let us know if you still want to get the item, test, service or care.

**Choose ONE option below. We can't choose for you.**

If you choose Option 1 or 2, we may help you use any other insurance you might have, but Medicare can't require us to do this.

- OPTION 1: I want the item, test, service or care listed above, and I want Medicare to be billed for an official decision on payment, which I'll get on a Medicare Summary Notice (MSN).** You can ask to be paid now. I understand that if Medicare doesn't pay, I'm responsible to pay, but I can appeal to Medicare by following the directions on the MSN. If Medicare does pay, you'll refund any payments I made to you, minus co-pays or deductibles.
- OPTION 2: I want the item, test, service or care listed above, but don't bill Medicare.** You can ask to be paid now and I'm responsible to pay. I understand that I can't appeal, since Medicare isn't billed.
- OPTION 3: I don't want the item, test, service or care listed above.** I understand I'm not responsible for payment and I can't appeal to see if Medicare would pay.

**Additional Information:**

This notice gives our opinion, not an official Medicare decision. For other questions about this notice or Medicare billing, call 1-800-MEDICARE (1-800-633-4227). TTY users can call 1-877-486-2048. Signing below means you received and understand this notice. You can ask to get a copy.

Signature ▶	Date (mm-dd-yyyy)
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You have the right to get Medicare information in an accessible format, like large print, Braille, or audio. You also have the right to file a complaint if you feel you've been discriminated against. Visit [Medicare.gov/about-us/accessibility-nondiscrimination-notice](https://www.medicare.gov/about-us/accessibility-nondiscrimination-notice).

**PRA Disclosure Statement:** According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0938-0566. This information collection is for providers, suppliers, Hospice and Religious Non-medical HealthCare Institutes and Home Health Agencies to notify original Medicare beneficiaries of their potential financial liability under specific conditions. The time required to complete this information collection is estimated to average less than 7 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, to review and complete the information collection. This information collection is mandatory under Section 1879 of the Social Security Act, 42 CFR 411.404(b) and (c) and 411.408(d)(2) and (f). If you have comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: CMS, 7500 Security Boulevard, Attn: PRA Reports Clearance Officer, Mail Stop C4-26-05, Baltimore, Maryland 21244-1850.