
Overview

Useful For

Identifying specific causes contributing to sudden cardiac death

Testing Algorithm

An interpretation will be provided by Mayo staff pathologists within a formal pathology report that is sent to the referring Medical Examiner.

Appropriate stains and other ancillary testing may be performed and charged separately.

Method Name

Pathology Consultation

NY State Available

Yes

Specimen

Specimen Type

SUDC Study Specimen

Advisory Information

This test is only orderable for the Sudden Cardiac Death Pathology Evaluation study.

Necessary Information

1. **Patient date of birth and date of death are required. All specimens must be labeled with specimen type.**
2. **The referring pathologist's or medical examiner's name and phone number are required.**
3. All specimens, patient history, and requests should be clearly labeled with correct patient identifiers.

Specimen Required

Specimen Type: Heart

Supplies:

Pathology Packaging Kit (T554)

Refrigerate/Ambient Shipping Box, 5 lb (T329)

Specimen Volume: Entire specimen

Collection Instructions:

1. Fix entire specimen in formalin for a minimum of 24 hours.
2. Following fixation, lightly wrap specimen in formalin-soaked paper towel, place in a leak-proof sealable bag with a small amount of formalin, seal, and ship ambient in a sturdy shipping container.

Additional Information: Paraffin block may be accepted.

Specimen Type: Blood

Container/Tube: Lavender top (EDTA)

Specimen Volume: 10 mL

Specimen Minimum Volume

See Specimen Required

Reject Due To

No specimen should be rejected.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
SUDC Study Specimen	Ambient (preferred)		
	Frozen		
	Refrigerated		

Clinical and Interpretive

Clinical Information

Sudden, unexpected death in individuals less than 40 years old with a strong probability of cardiac disease (including cases of obvious cardiomyopathy, with likely genetic underpinning). This evaluation is offered to provide the careful dissection and diagnostic experience that may be needed for subtle or overt cases of cardiovascular disease.

Reference Values

The laboratory will provide a pathology consultation.

Interpretation

This request will be processed as a consultation. Appropriate stains and ancillary testing will be performed and an interpretation provided.

Cautions

[Appropriate tissue sampling and fixation are required in order to make a diagnosis.](#)

Clinical Reference

1. Baudhuin LM, Leduc C, Train LJ, et al: Technical Advances for the Clinical Genomic Evaluation of Sudden Cardiac Death: Verification of Next-Generation Sequencing Panels for Hereditary Cardiovascular Conditions Using Formalin-Fixed Paraffin-Embedded Tissues and Dried Blood Spots. *Circ Cardiovasc Genet.* 2017 Dec;10(6). doi: 10.1161/CIRCGENETICS.117.001844

2. Ackerman JP, Bartos DC, Kapplinger JD, et al: The Promise and Peril of Precision Medicine: Phenotyping Still Matters Most. *Mayo Clin Proc.* 2016 Oct 8. pii: S0025-6196(16)30463-3. doi: 10.1016/j.mayocp.2016.08.008

Performance

Method Description

All requests will be processed as a consultation case. Ancillary studies will be performed only if deemed to be diagnostically indicated.

PDF Report

No

Day(s) and Time(s) Test Performed

Monday through Friday; Varies

Analytic Time

2 to 4 weeks

Performing Laboratory Location

Rochester

Fees and Codes

Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

Test Classification

Not Applicable

CPT Code Information

88037

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
SUDC	Sudden Cardiac Death Path Consult	In Process

Result ID	Test Result Name	Result LOINC Value
606931	Interpretation	59465-5
606932	Participated in the Interpretation	No LOINC Needed
606933	Report electronically signed by	19139-5
606934	Addendum	35265-8
606935	Gross Description	22634-0
606936	Material Received	22633-2
606937	Disclaimer	62364-5
606938	Case Number	80398-1

