Test Definition: SUDC

Sudden Cardiac Death Pathology Consultation

Overview

Useful For

Identifying specific causes contributing to sudden cardiac death

Testing Algorithm

An interpretation will be provided by Mayo Clinic staff pathologists within a formal pathology report sent to the referring medical examiner.

Appropriate stains and other ancillary testing may be performed at an additional charge.

For more information see Pathology Consultation Ordering Algorithm.

Special Instructions

- Pathology Consultation Ordering Algorithm
- Pathology Consultation Cover Letter

Highlights

Our consultative practice strives to provide the highest quality diagnostic consultative service, balancing optimal patient care with a cost-conscious approach that supports the rapid turnaround time for diagnostic results.

Method Name

Medical Interpretation

NY State Available

Yes

Specimen

Specimen Type

SUDC Study Specimen

Ordering Guidance

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

Shipping Instructions

Attach the green "Attention Pathology" address label (T498) to the outside of the transport container before putting into the courier mailer.

Necessary Information

All requisition and supporting information must be submitted in English.

Each of the following items is required:

1**. All requisitions must be labeled with:**

-Patient name, date of birth, date of death, and medical record number

-Name and phone number of the referring pathologist, ordering provider, or medical examiner

-Anatomic site and collection date

2**. A preliminary/final autopsy report and brief patient history are essential to achieve a consultation fully relevant to the ordering provider's needs.**

3. A specific diagnostic question is required. Include diagnostic question in a cover letter or in the requisition notes/comments. For ease of submission, the Pathology Consultation Cover Letter form can be completed and sent with the specimen.

Specimen Required

1. The heart specimen is required for testing.

2. Send whole blood in addition to heart specimen, if available.

Specimen Type: Heart specimen

Supplies:

-Pathology Packaging Kit (T554)

-Ambient Shipping Box, 5 lb (T970)

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: Whole blood

Container/Tube: Lavender top (EDTA)

Specimen Volume: 10 mL

Collection Instructions:

1. Invert several times to mix blood.

2. Send whole blood specimen.

Forms

If not ordering electronically, complete, print, and send a Sudden Cardiac Death Pathology Consultation Request with the specimen.

Specimen Minimum Volume

Heart specimen: See Specimen Required; Blood: 1 mL

Reject Due To

All specimens will be evaluated at Mayo Clinic Laboratories for test suitability.

Specimen Stability Information

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

Clinical & Interpretive

Clinical Information

Sudden, unexpected death in individuals less than 40 years of age 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

An interpretive report will be provided.

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;10(6):e001844. doi:10.1161/CIRCGENETICS.117.001844

2. Ackerman JP, Bartos DC, Kapplinger JD, Tester DJ, Delisle BP, Ackerman MJ. The promise and peril of precision medicine: phenotyping still matters most. Mayo Clin Proc. Published online October 8, 2016. 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) Performed

Monday through Friday

Test Definition: SUDC

Sudden Cardiac Death Pathology Consultation

Report Available

14 to 28 days: Cases requiring additional material or ancillary testing may require additional time.

Performing Laboratory Location

Mayo Clinic Laboratories - Rochester Main Campus

Fees & 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 account representative. 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