MAYO CLINIC LABORATORIES

Test Definition: CNSA

Central Nervous System Consultation, Autopsy, Varies

Overview

Useful For

Evaluation of congenital neurological disease

Evaluation of neurodegenerative disease

Evaluation of cases with a complex neurological or neurosurgical history

Evaluation of sudden unexplained death

This test is **not intended for** cases under litigation without preauthorization.

Reflex Tests

Test Id	Reporting Name	Available Separately	Always Performed
NERPC	Necropsy, regional	No	No
NESPC	Necropsy, single organ	No	No

Testing Algorithm

When only a brain is submitted, NESPC / Necropsy, single organ (Bill Only) will be charged.
When both a brain and spinal cord are submitted, NERPC / Necropsy, regional (Bill Only) will be charged.

Special Instructions

- Submitting Non-Protocol Autopsy Brain/Spinal Cord for Examination
- Submitting Brain for Neuropathologic Examination: Cases Suspected of Creutzfeldt-Jakob Disease (CJD)

Method Name

Stain

NY State Available

Yes

Specimen

Specimen Type

Varies

Shipping Instructions

Ship specimen using the Central Nervous System Consult Kit (T633).

Necessary Information

It is imperative that detailed clinical information and, when possible, operative notes and radiographs accompany the specimen.

Specimen Required

Hematoxylin-and-eosin stained sections are also acceptable, but must be accompanied by paraffin blocks and/or remaining wet tissue.

In cases submitted as part of a research protocol, contact 507-284-3887 for further guidance.

Supplies: Central Nervous System Consult Kit (T633)
Sources: Brain (and spinal cord when indicated)
Container/Tube: Plastic container
Specimen Volume: 1 cm(3) cube
Collection Instructions:
1. Take a small (1 cm[3]) cube of brain from 1 of the frontal lobes (typically, right inferior frontal).
2. Wrap in aluminum foil and place in plastic container.
3. Label container with identifying information (ie, patient name, date of birth, autopsy number, and date of collection).
4. Freeze and store in a -70 degrees C freezer.
5. Place the remaining brain in 10% formalin if non-Creutzfeldt-Jakob disease (CJD), and 15% formalin for suspected cases of CJD, suspended by a thread under the basilar artery and fixed for 7 to 10 days.
Additional Information: Upon completion of consultation, the brain tissue will be stored 10 years in the Mayo Clinic Tissue Registry. The Mayo Clinic policy precludes our evaluation of cases under litigation that involve non-Mayo Clinic patients.

Forms

The following are available:
-Submitting Non-Protocol Autopsy Brain/Spinal Cord for Examination
OR
-Submitting Brain for Neuropathologic Examination: Cases Suspected of Creutzfeldt-Jakob Disease (CJD)

Specimen Minimum Volume

Entire collection

Reject Due To

No specimen should be rejected.

Specimen Stability Information

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

Clinical & Interpretive

Clinical Information
Difficult neurological abnormalities, including congenital anomalies, sometimes require the assistance of a neuropathologist. This evaluation is offered to provide the careful dissection and diagnostic experience that may be needed for unusual or rare neuropathological cases.

Reference Values
An interpretive report will be provided.

Interpretation
This request will be processed as a consultation. Appropriate stains will be performed, and a diagnostic interpretation provided.

Cautions
Specimens should be completely fixed in formalin for 7 to 10 days, prior to shipping.

It is best if specimen is not dissected prior to shipment.

Clinical Reference
1. Collins KA, Powers JM: Autopsy procedures for the brain, spinal cord, and neuromuscular system. In: Collins KA, Hutchins GM, eds. Autopsy Performance and Reporting. 2nd ed. College of American Pathologists; 2003:chap 20
2. Crain BJ, Mirra SS: The autopsy in cases of Alzheimer's Disease and other dementias. In: Collins KA, Hutchins GM, eds. Autopsy Performance and Reporting. 2nd ed. College of American Pathologists; 2003:chap 21

Performance

Method Description
Giannini C, Okazaki H: Nervous system. In Waters BL, ed. Handbook of Autopsy Practice. 4th ed. Humana Press; 2009:chap 4

PDF Report
No

Day(s) Performed
Monday through Friday

Report Available
30 to 60 days

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 (if appropriate)
88036 (if appropriate)

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
CNSA	Neuropathology Consult	18743-5

Result ID	Test Result Name	Result LOINC® Value
71070	Interpretation	18743-5
71071	Participated in the Interpretation	No LOINC Needed
71072	Report electronically signed by	19139-5
71073	Addendum	35265-8
71074	Gross Description	22634-0
71075	Material Received	22633-2
71589	Disclaimer	62364-5
71795	Case Number	80398-1