

**NATIONAL PRION DISEASE PATHOLOGY SURVEILLANCE CENTER
CLINICAL TEST REQUISITION FORM**

VERSION 4 (UPDATED APRIL 2023)

Ship Monday-Thursday for next day delivery:
NPDPS Institute of Pathology, CWRU
2085 Adelbert Road, Room 414
Cleveland, OH 44106-4907
Tel: 216.368.0587 Fax: 216.368.4090
Email: CJDsurveillance@uhhospitals.org

PATIENT INFORMATION

Last Name: _____ First Name: _____ DOB: _____

Patient MRN or Specimen Accession #: _____ Sex: _____ Race: _____

Hispanic/Latino: Y N City & State of Residence: _____

Is patient deceased? Y N Date/Time of Death (if applicable): _____

Is there interest in the Autopsy Program? YES NO

Note: CDC-sponsored brain autopsy is available to definitively diagnose or exclude prion disease. Call 216-368-0587 for details.

ORDERING PROVIDER (REQUIRED INFORMATION)

Note: Results will be transmitted to Ordering Provider only, via fax only.

Name: _____ Phone: _____ Fax: _____

Hospital/Institution: _____

Street Address/City/State: _____

REFERRING LABORATORY

Note: Results will be transmitted to Referring Laboratory via fax only.

Contact Person: _____ Phone: _____ Fax: _____

Laboratory/Hospital: _____

Street Address/City/State: _____

SAMPLES ENCLOSED: *Please check all that apply. See Shipping and Collection Protocols on Page 3.*

<input type="checkbox"/> CSF for prion markers (RT-QuIC, 14-3-3 β , and total tau) Collection date: _____	<input type="checkbox"/> Autopsy tissue (FIXED) Collection date: _____ <input type="checkbox"/> Half/Whole Brain <input type="checkbox"/> Unstained slides #: _____ <input type="checkbox"/> Stained Slides #: _____ <input type="checkbox"/> Cassettes #: _____ <input type="checkbox"/> P/E Blocks #: _____ Formic acid treated*? Y / N	<input type="checkbox"/> Biopsy (FIXED) for histopathology Collection date: _____ <input type="checkbox"/> Brain fragment <input type="checkbox"/> Unstained slides #: _____ <input type="checkbox"/> Stained Slides #: _____ <input type="checkbox"/> Cassettes #: _____ <input type="checkbox"/> P/E Blocks #: _____ Formic acid treated*? Y / N
<input type="checkbox"/> Blood for PRNP genetic testing Collection date: _____	<input type="checkbox"/> Autopsy tissue (FROZEN) <input type="checkbox"/> Half/Whole Brain <input type="checkbox"/> Other: _____ Collection date: _____	<input type="checkbox"/> Biopsy (FROZEN) for proteinaseK-resistant prion protein testing Collection date: _____
<input type="checkbox"/> Skin Sample Collection date: _____ <input type="checkbox"/> Apex (top of the scalp) <input type="checkbox"/> Posterior to ear (right or left) <input type="checkbox"/> Lumbar spine (lower back)		<input type="checkbox"/> Lymphoreticular Tissue Collection date: _____ <input type="checkbox"/> Appendix <input type="checkbox"/> Parietal & Visceral Lymph Nodes (abdominal l.n.) <input type="checkbox"/> Spleen (upper left quadrant of abdomen)

**Formic acid treated: Specimen has been treated in 88-98% formic acid for one hour AFTER grossing then returned to 10% neutral buffered formalin for processing.*

IS FIXED AUTOPSY TISSUE AVAILABLE? YES NO

IS FROZEN AUTOPSY TISSUE AVAILABLE? YES NO

CLINICAL HISTORY & FINDINGS

This form is to be completed by the requesting clinician. Also, please attach a clinician's assessment note from the EMR.

1. Clinical suspicion of prion disease (Circle one number): **LOW 1 --- 2 --- 3 --- 4 --- 5 --- 6 --- 7 --- 8 --- 9 --- 10 HIGH**

2. Symptoms concerning for Prion Disease (Mark all that apply):

<input type="checkbox"/> DEMENTIA Onset:	<input type="checkbox"/> ATAXIA Onset:	<input type="checkbox"/> MYOCLONUS Onset:	<input type="checkbox"/> VISUAL CHANGES Onset:
<input type="checkbox"/> EXTRAPYRAMIDAL Onset:	<input type="checkbox"/> PYRAMIDAL Onset:	<input type="checkbox"/> PSYCHIATRIC Onset:	<input type="checkbox"/> OTHER: Onset:

SOCIAL & FAMILY HISTORY (if "Yes" is circled, please provide additional details)

3. Has patient ever hunted? Yes / No Circle all that apply: Deer / Moose / Elk / Caribou / other State/Province: Year(s):	4. Has patient ever consumed wild game: Yes / No Circle all that apply: Deer / Moose / Elk / Caribou / other State/Province: Year(s):
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5. Is there a Family history of Prion Disease? Yes / No Type of Prion Disease: CJD / GSS / FFI / other Relationship to Patient:	6. Family history of Neurological Disease?: Yes / No Type of Disease (Alzheimers, etc.): Relationship to Patient:
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7. Has patient ever travelled to United Kingdom, Europe, or Saudi Arabia between the years of 1980-1996? Yes / No Countries: Year(s):
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MEDICAL & SURGICAL HISTORY

8. Has patient ever donated blood? Yes / No Facility: Date:	9. Has patient ever received blood? Yes / No Facility: Date:
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10. Has patient had any of these procedures? <i>Circle all that apply:</i> Neurosurgery Corneal transplant Dura mater graft None Facility: Date:	11. Has patient had any of these treatments? <i>Circle all that apply:</i> Human growth hormone Pituitary gonadotropin None Facility: Date:
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RADIOGRAPHIC FINDINGS

NPDPSC offers MRI interpretation at no cost. For assessment, please send brain MRI on disc to our mailing address.

12. Has patient had an MRI suggestive of prion disease? **YES NO MRI not performed**
13. Has patient had EEG with periodic sharp wave complexes? **YES NO EEG not performed**

Accounts Payable/Billing Information (if applicable)

Check here if AP/Billing information is same as Referring Laboratory.

Name: _____ Phone: _____ Fax: _____

Laboratory/Hospital: _____

Street Address: _____

City/State/Zip code: _____

Note: If we are to bill the patient directly for cerebrospinal fluid, blood, or biopsy tissue testing, please complete our "[CSF, Biopsy and Genetic Billing Form](#)" found on our website, www.cjdsurveillance.com.

NOTE: A Prion Tissue Kit for full brain autopsies may be purchased by calling **Berlin Packaging Dangerous Goods Division** at 412-564-2455 and ordering part number HMS-69255. The kit includes a separate box for fixed and frozen tissue, along with all required forms and labels.

*For additional information please visit www.cjdsurveillance.com or contact the NPDPS at 216-368-0587 or cjdsurveillance@UHhospitals.org

SHIPPING AND COLLECTION INSTRUCTIONS

*****Please read all steps carefully before beginning to pack your specimen*****

*****Shipment conditions significantly impact protein loss which can compromise test results*****

Ship all specimens to: NPDpsc, 2085 Adelbert Road, Room 414, Cleveland, Ohio 44106

An NPDpsc Clinical Test Requisition Form must accompany each patient's specimen. All specimens should be shipped Priority Overnight to arrive before 10:30am using FedEx or UPS. Ship only Monday through Thursday for arrival the following weekday. Shipments are not received on weekends or holidays. Specimens should be packed by a person trained in shipping dangerous goods. All specimens should be shipped as UN 3373, Category B Material. The clinical laboratory at NPDpsc is CLIA certified and HIPAA compliant.

CSF Shipping and Collection:

Collect CSF by lumbar puncture. Discard the first 2 ml of CSF that flows from the tap. Collect 2-5 ml of clear, colorless CSF for testing. Bloody CSF cannot be accurately tested. A minimum of 2.0ml is required for testing. Freeze CSF immediately after collection. Store CSF at -80°C (or at least -20°C) until shipping the specimen on dry ice. Double box the specimen using a Styrofoam container with sufficient dry ice (5 lbs/24 hrs).

Blood Shipping and Collection:

Collect 4 purple top (EDTA) tubes, 5ml each. Store blood at room temperature until shipped. Attach both the "Testing and Reporting Policies Form" and the "NPDpsc Test Request Form" (including the family history section) which are available at www.cjdsurveillance.com. Ship the sample at 15-30°C.

Frozen Brain Biopsy Shipping and Collection:

Freeze 0.5g of tissue from gray matter only. White matter, tumor, mass, or dura is not acceptable for prion diagnosis. Less than 0.5g may be acceptable if no other tissue is available. Place tissue into a sterile specimen cup and store in -80°C freezer (or at least -20°C) until shipped. Place Brain tissue into the primary bag and seal. Prepare a larger secondary bag by writing the patient's name and DOB on the outside of the secondary bag and filling the bag with absorbent material.

Place the sealed primary bag into the secondary bag and seal the secondary bag. Place into a Styrofoam box filled with sufficient dry ice (5 lbs/24 hrs). Place the Styrofoam box into a UN3373 approved cardboard box and seal. Always send frozen specimens separately from fixed specimens to avoid freezing of fixed tissue which may cause artifact.

Fixed Brain Biopsy Shipping and Collection:

Place at least 0.5g of tissue from gray matter only in 10% buffered formalin for at least ≥24hrs. White matter, tumor, mass, or dura is not acceptable for prion diagnosis. Treat the 0.5g specimen in 88-98% formic acid for 1 hour. Return the specimen to formalin for an additional 24 hrs (shipping time may be included on this step). Formic acid treatment can be performed here at the NPDpsc if you are unable to perform this procedure. Be sure to mark on the test request form whether formic acid treatment was performed. Wrap the brain biopsy in formalin-soaked absorbent material (e.g. gauze). Place the wrapped brain into a sterile specimen container and into a primary bag & seal. Prepare a larger secondary bag by writing the patient's name and DOB on the outside of the secondary bag and filling the bag with absorbent material. Place the sealed primary bag into the secondary bag and seal the secondary bag. Place the bag into a small Styrofoam box and secure it with absorbent material. Place the Styrofoam box into a UN3373 approved cardboard box and seal. Always send frozen specimens separately from fixed specimens to avoid freezing of fixed tissue which may cause artifact.

Autopsy Shipping and Collection:

Autopsy brain tissue should be sent half fixed (in 10% buffered formalin for 2 weeks) and half frozen in a -80°C freezer (or, lacking that, in a -20°C freezer). Do NOT treat whole brains in formic acid. Formic acid treatment can be completed by the NPDpsc if you are unable to perform this procedure. Cutting and sampling of fixed brains should be performed using BSL-2/BSL-3 precautions until the brain samples are treated with formic acid for 1 hour. If paraffin sections are submitted, please cut 1 section 5 micron thick (for H&E) and 3 sections 8 micron thick (for PrP IHC).