Overview

Useful For
Confirming a clinical and histopathologic diagnosis of progressive multifocal leukoencephalopathy

Method Name
In Situ Hybridization

NY State Available
Yes

Specimen

Specimen Type
Special

Shipping Instructions
Attach the green pathology address label included in the kit to the outside of the transport container.

Necessary Information
A pathology/diagnostic report and a brief history are required.

Specimen Required
Specimen Type: Formalin-fixed, paraffin-embedded tissue block

Supplies: Pathology Packaging Kit (T554)

Specimen Volume: Entire block

Specimen Type: Slides

Slides: 4 Unstained glass, positively charged slides with 5 (+ or - 1)-microns formalin-fixed, paraffin-embedded tissue

Forms
If not ordering electronically, complete, print, and send an Immunohistochemical (IHC)/In Situ Hybridization (ISH) Stains Request (T763) with the specimen.

Reject Due To

<table>
<thead>
<tr>
<th>Tissue/Other</th>
<th>Wet/frozen tissue</th>
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<tr>
<td></td>
<td>Cytology smears</td>
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<tr>
<td></td>
<td>Nonformalin fixed tissue</td>
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<tr>
<td></td>
<td>Nonparaffin embedded tissue</td>
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<tr>
<td></td>
<td>Noncharged slides</td>
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<td>ProbeOn slides</td>
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Specimen Stability Information
**Clinical and Interpretive**

**Clinical Information**

JC virus (JCV) is the etiologic agent of progressive multifocal leukoencephalopathy (PML), a rare, demyelinating, fatal disorder of the central nervous system that occurs on a background of immune deficiency. PML is an infrequent complication of a wide variety of conditions, including lymphoproliferative disorders (Hodgkin disease, chronic lymphocytic leukemia), sarcoidosis, tuberculosis, and AIDS.

**Interpretation**

This test, when not accompanied by a pathology consultation request, will be answered as either positive or negative. If additional interpretation or analysis is needed, request PATHC / Pathology Consultation along with this test.

**Cautions**

Age of a cut paraffin section can affect immunoreactivity. Stability thresholds vary widely among published literature and are antigen-dependent. Best practice is for paraffin sections to be cut fresh.

**Clinical Reference**


**Performance**

**Method Description**

In situ hybridization on sections of paraffin-embedded tissue. (Unpublished Mayo method)

**PDF Report**

No
Day(s) and Time(s) Test Performed
Monday through Friday

Analytic Time
5 day

Maximum Laboratory Time
7 days

Specimen Retention Time
Until staining is complete.

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
This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information
88365-Primary

88364-If additional ISH

LOINC® Information

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