

Louisiana Office of Public Health Laboratories									
Test Name	Jamestown Canyon IgM MAC-ELISA								
PHL Location	Office of Public Health Laboratory Baton Rouge								
CPT Code	86790								
Synonyms	JCV								
Brief Description of Test	<p>Prior authorization required. Contact Infectious Disease Epidemiology at 800-256-2748.</p> <p>IgM antibody capture enzyme-linked immunosorbent assay (MAC-ELISA) for the presumptive detection of antibodies to Jamestown Canyon virus in persons meeting clinical and/or epidemiological criteria for Jamestown Canyon virus testing.</p> <p>Please Note: Jamestown Canyon IgM MAC-ELISA may be run stand alone or as part of an arbovirus test panel.</p>								
Possible Results	<table border="1"> <thead> <tr> <th>Interpretation</th> <th>Report</th> </tr> </thead> <tbody> <tr> <td>Negative</td> <td>No evidence of recent Jamestown Canyon virus infection detected.</td> </tr> <tr> <td>Equivocal</td> <td>Jamestown Canyon MAC-ELISA results were equivocal for the presence of anti-JC virus antibodies.</td> </tr> <tr> <td>Presumptive Positive</td> <td>Serological evidence of possible recent Jamestown Canyon virus infection identified. Additional testing required.</td> </tr> </tbody> </table> <p>Specimens with high background may be called Inconclusive instead of falling into the Interpretation above.</p>	Interpretation	Report	Negative	No evidence of recent Jamestown Canyon virus infection detected.	Equivocal	Jamestown Canyon MAC-ELISA results were equivocal for the presence of anti-JC virus antibodies.	Presumptive Positive	Serological evidence of possible recent Jamestown Canyon virus infection identified. Additional testing required.
Interpretation	Report								
Negative	No evidence of recent Jamestown Canyon virus infection detected.								
Equivocal	Jamestown Canyon MAC-ELISA results were equivocal for the presence of anti-JC virus antibodies.								
Presumptive Positive	Serological evidence of possible recent Jamestown Canyon virus infection identified. Additional testing required.								
Reference Range	Negative								
Specimen Type	Serum or CSF. CSF may only be tested when submitted alongside a patient-matched serum specimen.								
Specimen Container(s):	Screw-cap aliquot tube Serum must be decanted prior to shipment into a Screw-cap aliquot tube								
Minimum volume accepted:	Request 1 mL 300 µL minimum								
Collection Instructions	Specimen Container –Screw Cap Aliquot Label specimen with Patient Name and a 2 nd unique identifier such as a chart number or medical record number. DOB is not considered unique.								

	<p>Complete a Lab Form 96 to accompany the serum sample. Lab submission form must be thoroughly completed with patient's first and last name, 2nd patient identifier, gender, date of birth, date of collection, time of collection, test requested, and submitter's name, address, and contact number.</p> <p>The same two unique identifiers MUST be recorded on the tube AND the Lab 96 form.</p> <p>Transport specimen to laboratory as soon as possible after collection. Keep submission forms insulated from specimens.</p>
Storage and Transport Instructions	Store and ship serum and CSF at 2-8°C
Causes for Rejection	<ul style="list-style-type: none"> • Unspun • Short Draw/Overfill • Received outside acceptable transport conditions • Incorrect source • Incorrect labeling • Expired collection tubes • CSF specimens without patient-matched serum • Serum not decanted prior to shipment • Not approved for testing by Infectious Disease Epidemiology
Limitations of the Procedure	Presumptive Positive, Equivocal and Inconclusive samples are sent to CDC for Plaque Reduction Neutralization Testing (PRNT)
Interfering Substances	N/A
References	CDC - IgM ELISA Test Protocol
Additional Information	
Release Date	7/12/2018
<p>Warning: If you have printed a copy of this information please be advised that the Louisiana Office of Public Health Laboratories website and methods are updated on a regular basis. Please check the on-line version of this document to ensure you are relying on the most recent release.</p>	