MAYO CLINIC
Mayo Medical Laboratories

TEST CHANGE
MML FLORIDA
NOTIFICATION DATE: August 12, 2016
EFFECTIVE DATE: September 13, 2016

HERPES SIMPLEX VIRUS (HSV) AND VARICELLA-ZOSTER VIRUS (VZV), MOLECULAR DETECTION, PCR
Test ID: LHSVZ

EXPLANATION: Cerebrospinal Fluid will no longer be an acceptable specimen type for this test code. For HSV by Rapid PCR on CSF, order test code HSVC (63434). For VZV by Rapid PCR on CSF, order test code LVZV (81241).

**Note the specimen volume and minimum volume changes, particularly when ordering both replacement tests as depicted below. Please ensure appropriate volume is submitted for testing requested to avoid delays and potential test cancellations.

CURRENT REQUESTED VOLUME	NEW REQUESTED VOLUME
1.0 mL	0.7 mL

CURRENT REQUESTED MINIMUM VOLUME	NEW REQUESTED MINIMUM VOLUME
0.6 mL	0.4 mL

RECOMMENDED ALTERNATIVE TESTS:

HERPES SIMPLEX VIRUS (HSV), MOLECULAR DETECTION, PCR, SPINAL FLUID
Test ID: HSVC

USEFUL FOR: An aid in the rapid diagnosis of HSV-1 and HSV-2 infections of the central nervous system.

METHOD: Herpes Simplex Virus, PCR, CSF

REFERENCE VALUES: Negative

SPECIMEN REQUIREMENTS:

Specimen Type: Spinal Fluid
Container/Tube: Sterile container (12 x 75-mm screw cap vial [Supply T465])
Specimen Volume: 0.2 mL
Minimum Volume: 0.1 mL
Additional Information: If ordering with other CSF tests, please submit a separate aliquot. The high sensitivity of amplification by PCR requires the specimen to be processed in an environment in which contamination of the specimen by herpes simplex virus DNA is not likely.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
CSF	Refrigerated (preferred)	7 days
	Frozen	7 days

CAUTIONS:

- This test is not validated for sample types other than cerebrospinal fluid (CSF).
- Negative results do not preclude HSV-1 or HSV-2 infection and should not be used as the sole basis for treatment or other patient management decisions.
- False-negative results may occur if the viruses are present at a level that is below the analytical sensitivity of the assay or if the virus has genomic mutations, insertions, deletions, or rearrangements or if performed very early in the course of illness.
- For encephalitis patients with a negative herpes simplex PCR result, consideration should be given to repeating the test 3 to 7 days later for patients demonstrating a compatible clinical syndrome or temporal lobe localization on neuroimaging.(3)
- The performance of this test has not been established for immunocompromised individuals nor has it been established for monitoring treatment of HSV infection of the central nervous system.

CPT CODE: 87529

DAY(S) SET UP: Monday through Sunday; Varies **ANALYTIC TIME**: Same day/1 day

VARICELLA-ZOSTER VIRUS, MOLECULAR DETECTION, PCR

Test ID: LVZV

USEFUL FOR: Rapid (qualitative) detection of varicella-zoster virus DNA in clinical specimens for laboratory diagnosis of disease due to this virus.

METHOD: Real-Time Polymerase Chain Reaction (PCR)/DNA Probe Hybridization

REFERENCE VALUES: Negative

SPECIMEN REQUIREMENTS:

Container/Tube: Sterile container (12 x 75-mm screw cap vial [Supply T465])
Specimen Type: Spinal Fluid
Specimen Volume: 0.5 mL
Minimum Volume: 0.3 mL

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
CSF	Refrigerated (preferred)	7 days
	Frozen	7 days

CAUTIONS:

- A negative result does not exclude the possibility of varicella-zoster virus (VZV) infection.
- The reference range is typically "negative" for this assay. This assay is only to be used for patients with a clinical history and symptoms consistent with VZV infection, and must be interpreted in the context of the clinical picture. This test is not used to screen asymptomatic patients.

CPT CODE: 87798

DAY(S) SET UP: Monday through Saturday; varies **ANALYTIC TIME**: Same day/1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Rebecca Wortman, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710