

LAB ALERT

Date: June 26, 2015

Enterovirus D68 Test now Available

Dear Regional Pathology Clients,

We are very excited to announce that our molecular diagnostics laboratory is now offering the enterovirus test to include the detection and differentiation of Enterovirus D68 (EV-D68).

In 2014, there was an outbreak of EV-D68 that caused severe respiratory illness and hospitalizations, especially in children.

This test is a multiplex, reverse transcription, real-time polymerase chain reaction (RT-PCR) assay. Testing will be done primarily on respiratory and serum samples. The current enterovirus CSF test (EVC) has not been modified, will remain active, and should be ordered on patients with neurological symptoms suspected of having Enterovirus.

The CDC has found that respiratory specimens, including nasopharyngeal swabs, nasal wash and aspirates have high diagnostic yield. Serum has not been as extensively tested, but EV-D68 has been detected in serum from a few patients aged 2 years to 10 years.

The assay does not differentiate between serotypes other than EV-D68. This assay is not predicted to detect parechovirus or rhinoviruses. Validation studies demonstrated reduced sensitivity for Echovirus 9. Rhinoviruses are closely related; it is predicted that this assay may cross-react with some serotypes of rhinoviruses.

	Respiratory samples/other	Blood
Test Codes	EVD68	EV68B
Test Name	ENTEROVIRUS RNA D68 CPT Code: 87498	ENTEROVIRUS D68/BLOOD CPT Code: 87498
Reference Interval:	Enterovirus not detected	Enterovirus not detected
Specimen type	Respiratory Swabs (nose, nasal), BAL, WASH, Nasal Washing, Nasopharyngeal Swab, CSF, Fresh or Frozen Tissue, Formalin-fixed Paraffin-embedded Tissue.	Serum or Plasma
Turnaround times	48 hours	48 hours
Inactivated test codes	EVOT	EVBL

Note: the Enterovirus CSF order will not be affected by these changes, EVC, Enterovirus CSF only.

Interfaced clients will need to add this new test code to their compendium and deactivate the EVOT and EVBL test codes.

More information on EV-D68 can be found here:

<http://www.cdc.gov/non-polio-enterovirus/about/ev-d68.html>

Inquiries may be called to the laboratory at 559-7744, Jill Branson, Manager, 559-7611 or Catherine Gebhart, Technical Director 559-7660.

To arrange for testing and client pricing please contact one of our client coordinators, Brian Lenz, blenz@unmc.edu 402-559-7897 or Dana El-Hajjar, delhajja@unmc.edu, 402-559-9129.

24/7 Client Services 1-800-334-0459