



Creighton
MEDICAL LABORATORIES

MOLECULAR DETECTION OF ENTEROVIRUSES AND ADENOVIRUSES NOW AVAILABLE

Effective September 14, 2009, Creighton Medical Laboratories will begin offering molecular tests (PCR) for the detection of Enteroviruses and Adenoviruses in clinical specimens. These tests have high sensitivity and specificity and can be performed and resulted generally within 24 hours of specimen receipt.

The enterovirus group includes polioviruses, coxsackieviruses, echoviruses, and several newer enteroviruses. These viruses can cause aseptic meningitis, encephalitis, upper respiratory infections, herpangina, pleurodynia, myopericarditis, and a variety of exanthems including Hand-Foot-and-Mouth Disease (vesicular stomatitis). Adenoviruses can also cause a wide range of infections including upper respiratory infections, pharyngoconjunctival fever, epidemic keratoconjunctivitis, hemorrhagic cystitis, infantile diarrhea, and, less commonly, central nervous system infections.

CML will automatically perform enteroviral PCR (as well as HSV PCR) on cerebrospinal fluid specimens submitted for viral analysis. In addition, enteroviral and adenoviral PCR will be automatically performed on stool specimens received for viral analysis (rotavirus EIA must be ordered separately on stool if desired). These tests will be performed unless you specifically request otherwise by stating "DO NOT DO PCR for ____". In this case the test will be sent to our reference laboratory for culture. Keep in mind that in most cases culture results will not be available for 2-14 days.

Effective Date: September 14, 2009

Specimen and Transport Requirements: CSF, nasopharyngeal aspirate, wash or swab, throat gargle or swab, bronchoalveolar lavage (BAL), stool, body fluid, tissue, lesion swab, and, if indicated, blood. All specimens, except liquid specimens, should be placed in transport media and store refrigerated or on wet ice.

Test Order: Enterovirus PCR; Adenovirus PCR

Availability: Performed on weekdays and Saturdays (if clinically indicated, e.g. CSF) with results available afternoon of same day if specimen received before 10AM.

Please forward this to appropriate staff members within your facility. If you have any questions, please contact CML at (402) 280-4382.

Creighton Medical Laboratories is proud to be your partner in providing effective and timely health care.

September/2009