

TEST INFORMATION
Virology Testing Guidelines

- Virology Laboratory (612-273-5195) Services:
- Specimens received 24 h/d Mon-Sun by Acute Care Laboratory.
 - ROUTINE services performed 7:30 – 11:30p Mon-Fri; 7:30 - 4:00 Sat. (7:30-4:00 Sun, during respiratory season only)

- Consultation:
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 - Connie Weston, Supervisor, (612) 273-3470

VIRAL CULTURE	Test Includes	Specimen Types	Comments
Routine Viral Culture	Isolation of: Adenovirus Cytomegalovirus Enterovirus Herpes Simplex Measles Mumps Varicella Zoster	Blood (EDTA) Bone marrow (heparinized) CSF Eye Feces Genital swab Tissue Urine	Blood cultures are only performed for viruses other than CMV Urine cultures for CMV are only appropriate in neonates or certain immunocompromised patients.
Herpes Viral Culture	Isolation of: Herpes Simplex Varicella Zoster	Vesicular fluid Lesion swab, etc. Genital swab	Viruses listed under routine viral culture may be isolated from these specimen types as well.
Respiratory Viral Culture	Isolation of: Adenovirus Influenza A and B Parainfluenza 1-3 Respiratory Syncytial	Bronchoalveolar lavage Nasopharyngeal wash or swab Sputum Throat, etc.	Viruses listed under routine culture are also isolated from these specimen types. Test includes rapid shell vial culture for respiratory viruses.

RAPID AGN DETECTION	Test Includes	Specimen Types	Comments
Influenza A/B Rapid Antigen	Detection of viral antigen by EIA	Nasopharyngeal swab, Nasal wash	Collect 2 swabs (for back-up culture).
Respiratory Syncytial Virus Rapid Antigen	Detection of viral antigen by EIA	Nasopharyngeal swab Nasal wash	Collect 2 swabs (for back-up culture).
Adenovirus Antigen	Detection of viral antigen by EIA	Feces	Detects Types 1-41.
Rotavirus Antigen	Detection of viral antigen by EIA	Feces	Rotavirus will not grow in culture.

VIRAL SEROLOGY TESTS	Comments (collect in red or red/black tube)
Hepatitis A Antibody	If positive, Hepatitis A IgM is performed.
Hepatitis B Core Antibody	If positive and HBs Antigen negative (or not performed), HBs Antibody is performed. If HBs Antibody negative, HBc IgM Antibody is performed.
Hepatitis C Antibody	Quantitative HCV RNA PCR available upon request on positive samples.
HIV 1&2 Antibody	If positive, HIV-1 Western Blot performed.
Anti-Treponema, EIA	If this specific syphilis test is positive, RPR is performed.
Rapid Plasma Reagin	Reflex testing only.

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MOLECULAR TESTING	Specimen Types	Comments
BK Virus DNA, PCR Quantitation	Plasma Urine	Store at 4° C Performed twice/week
CMV DNA, PCR Quantitation	Whole blood (EDTA) Plasma Bone Marrow Bronchoalveolar lavage CSF	Store at 4° C Performed daily Mon - Sat
Epstein-Barr DNA, PCR Quantitation	Whole blood (EDTA) Plasma Bone Marrow CSF	Store at 4° C Performed 2 times/week
HCV RNA, PCR Quantitation	Plasma Serum	Spin and aliquot plasma/serum within 6 hours of collection. Freeze immediately. Performed once/week
HCV Genotyping	Plasma Serum	Order with the first positive HCV RNA PCR Quantitative. Spin and aliquot plasma/serum within 6 hours of collection. Freeze immediately. Performed once/week
HIV RNA, PCR Quantitation	Plasma (EDTA or ACD)	Whole blood may be held at room temperature for up to 6 hours, or at 2-8°C for up to 24 hours prior to centrifugation. Plasma may be stored at room temperature for 24 hours, or at 2-8°C for up to 5 days.

Revised 5/08; 6/09

Last approved: Connie Weston, 6/09.