LEGACY HEALTH | LEGACY LABORATORY SERVICES

Other Respiratory Virus Testing Options 2013-2014

VIRUS	METHOD	DETECTS	CERNER ORDER	SPECIMEN	TAT	SENSITIVITY and SPECIFICITY	PERFORM LOCATIONS	TEST AVAILABILITY	COMMENTS (Relative Exp. in $'s)
Adenovirus	DFA	Adenovirus	Adeno Ag (Adenovirus Direct Antigen)	Nasal Specimens or Bronch Washes	24 hrs.	60% Sensitive 90-95% Specific	Microbiology only	Available all year	Test limitation: must have 30 cells or more on slide for result to be adequate (**$**)
	Culture	Adenovirus	Culture Virus	Any Respiratory Specimen in M4	3-14 days	50-60% Sensitive	Microbiology only	Available all year	(**$**)
Parainfluenza 1, 2 and 3	DFA	Parainfluenza virus, types 1, 2 and 3	Paraflu Ag (Parainfluenza 1, 2 and 3 Direct Antigen)	Nasal Specimens or Bronch Washes	24 hrs.	80-85% Sensitive 90-95% Specific	Microbiology only	Available all year	Test limitation: must have 30 cells or more on slide for result to be adequate (**$**)
	Culture	Parainfluenza virus, types 1, 2 and 3	Culture Virus	Any Respiratory Specimen in viral transport	3-14 days	70-80% Sensitive	Microbiology only	Available all year	(**$**)
Human metapneumovirus	DFA	Human metapneumovirus	HMPV Ag (Human metapneumovirus Direct Antigen)	Nasal Specimens in viral transport	24 hrs.	85-90% Sensitive 90-95% Specific	Microbiology only	Available all year	Mainly a pediatric population test Need 30 cells on slide for adequacy (**$**)
RSV	EIA or DFA	RSV	RSV	Nasal Specimens in viral transport (Bronch Washes for DFA only)	90 min.	85-90% Sensitive relative to culture	Microbiology, Salmon Creek, Mt. Hood, Emanuel core laboratories and Eugene labs for EIA	EIA available during RSV season only DFA available all year	EIA is a good, rapid test during the season **Limited to children <5 years old** (**$**)
	Culture	RSV	Culture Virus	Nasal Specimens in viral transport	3-14 days	89-90% Sensitive 98-100% Specific	Microbiology only	Available all year	(**$**)
Adenovirus, Parainfluenza 1, 2, 3 and 4, Human metapneumovirus, RSV, Coronavirus 229E, HKU1, NL63, OC43, Rhinovirus, and Influenza A, B, and typings for A H1, A H3, and A novel 2009 H1N1	PCR	All listed	Respiratory Virus Panel by PCR (RVP PCR)	NP swab, Nasal wash or Aspirate, Bronch Wash in viral transport	24 hrs.	Dependent on individual viral target	Microbiology only	Available all year	Recommended for inpatients served by ID specialists, Pediatricians, ICU specialists, and Pulmonologists. (**$$$**)