



STATE OF NEW YORK  
DEPARTMENT OF HEALTH  
*Virology Proficiency Testing Program*

## General Category

September 2010

Summary of scores, responses, and  
statistics for General Category Samples:  
1211, 1212, 1213, 1214, 1215,

**Disclaimer**

**The use of brand and/or trade names in this summary does not  
constitute an endorsement of the products on the part of the  
Wadsworth Center or the  
New York State Department of Health**

**The New York State Proficiency Testing Program September 2010  
General Category Evaluation Reports are available on the Health Commerce  
System via EPTRS and can be printed for your records.**

This summary is based on scores and responses in the Electronic Proficiency Testing Reporting System.

**Sample Description:**

The September 2010 General panel contained four simulated patient specimens that were isolates from patient specimens and one no virus sample. All NYSDOH Proficiency Test samples were prepared from isolates of viruses grown from clinical specimens received in the Virology Laboratory at the Wadsworth Center.

**NYS PT Sample 1211, Influenza virus, type A**, was a nasopharyngeal swab from a twenty-four year old male. This virus was originally isolated in 2008.

**NYS PT Sample 1212, Parainfluenza virus, type 1**, was a nasopharyngeal swab from a 51 year old male. The sample was originally isolated in 2007.

**NYS PT Sample 1213, Cytomegalovirus**, was a throat swab from a thirteen year old female. The virus was originally isolated in 2007.

**NYS PT Sample 1214**, was a **No virus** specimen

**NYS PT Sample 1215, Respiratory syncytial virus**, was a nasal wash from an eleven year old female. The virus was originally isolated in 2006.

**Sample Scoring and Validation**

The scores and analysis from the September 2010 General Panel are shown below. Federally mandated validation criteria require a sample to be correctly identified by at least 80% of participating laboratories. CLIA and CLEP established a passing grade for participating laboratories at 80% or greater.

Three of the four virus samples are valid and their identities were also confirmed by reference laboratories (all are public health laboratories). Sample #1213, cytomegalovirus, did not meet an 80% consensus among the 41 participants that attempted identification and therefore, full credit for this sample will be awarded to all participants. Among the 41 responding laboratories, 28 (68.3%) reported the sample as cytomegalovirus, and 13 (31.7%) reported it as no virus isolated. Congratulations to all laboratories that correctly identified Sample #1213 as cytomegalovirus.

Please be aware that scoring is based on the number of samples your facility tested. No credit will be give for samples not tested. For example, if a facility tested four of the five PT samples, the total score would be based on four responses, each worth, 25%. Therefore, if one response was incorrect, the total score would be 75%, a failing grade.

## September 2010 General Event

### Scoring Analysis: 41 Participating Laboratories

Sample #	1211	1212	1213*	1214	1215
Sample Identification	Influenza virus, type A	Parainfluenza virus, type 1	CMV	No virus	RSV
Titer (TCID <sub>50</sub> ) Log 10/ml	5.5	5.5	2.5	0	4.3
Laboratories Scoring 100%	41	40	28	41	41

\*No consensus achieved, all labs received 100% for this sample.

### General Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	40	1	0	0	0	0

### Culture Methods Reported by Laboratories

	# of Responses Using Each Method/Sample				
	Sample 1211	Sample 1212	Sample 1213	Sample 1214	Sample 1215
Conventional	15	14	14	21	13
Centrifugation Enhanced	10	11	6	6	11
Conventional & Centrifugation Enhanced	16	16	21	19	19

**Cell lines utilized by participating laboratories for culture of each sample\***

Cell Lines	1211	1211	1212	1212	1213	1213	1215	1215
	Inoculated	Detected In	Inoculated	Detected In	Inoculated	Detected In	Inoculated	Detected In
A549	12	1	10	1	13		10	2
AGMK	1		1		1		1	
BGMK								
CV-1								
E-Mix	2		2		4		4	
ELVIS								
H & V Mix	1		1		4	1	1	
HEL			1		1	1	1	1
HEp-2	2		2		2		3	2
HFF					3	1		1
ML								
MKCy								
MRC-5	17		18		19	19	19	2
MRC-5 Shell vial								
MRHF	1		1		1	1	1	1
pRK								
R-Mix	11	11	12	12	9		9	13
R-Mix Too	5	7	6	6	2		7	6
RhMK	20	21	19	19	15		17	13
Super E-Mix								
Vero								
WI-38	2		2		1		2	

\*To generate this data, the first two selections listed in the submitted information have been captured from each laboratory. The additional selections by laboratories that inoculated more than two cell lines have not been included.

“Cell Line Inoculated” or “Detected In” data is not included in the above chart for Sample 1214, No virus.

## Sample 1211

### Influenza virus, type A

#### Confirmation Reagents

Reagent Name	# of Responses
ABI	1
Bartels IFA	1
Bartels VRK kit	1
Bartels Viral Respiratory Screening & ID kit	1
Binax NOW Influenza A/B	1
BD Directigen EZ Flu A/B	1
Dako	1
D3 Duet DFA Influenza/Respiratory Virus Screen	3
D3 Ultra DFA Respiratory Virus Screen & ID kit	16
DHI	2
DHI Monoclonal Ab	2
In-house RT-PCR	1
Influenza A Ab	1
Millipore DHI	2
Millipore Respiratory DFA kit	2
Oxoid Influenzae kit	1
PathoDx	1
Quidel	1
Respiratory Virus Screening ID DFA kit	1
SimulFluor Flu A/B	3
WHO Influenza Surveillance kit	1

#### Confirmation Methods

Method	#of Responses
Immunofluorescence	42
EIA	3
Hemagglutination Inhibition	1
Hemadsorption	3
PCR	2

## Sample 1212

### Parainfluenza virus, type 1

#### Confirmation Reagents

Reagent Name	# of Responses
ABI	1
Bartels	1
Bartels VRK	1
Dako	1
D3 Ultra DFA Respiratory Virus Screen & ID kit	20
DHI Monoclonal Ab	3
DHI Parainfluenza	1
Light Diagnostics MAB	3
Light Diagnostics Parainfluenza DFA	3
Millipore	2
Millipore Influenza SimulFluor DFA kit	1
Millipore Respiratory DFA kit	1
Parainfluenza DFA kit	1
Parainfluenza 1 MAB	1
PathoDx	1
Respiratory Virus Screening ID kit	1

#### Confirmation Methods

Method	# of Responses
Immunofluorescence	40
Hemadsorption	4
PCR	1

## Sample 1213

### Cytomegalovirus

#### Confirmation Reagents

Reagent Name	# of Responses
Bartels CMV DFA	4
Biotest Clonab CMV Ab	1
Cappel Ab	1
Chemicon/Millipore CMV DFA kit	6
Chemicon/Millipore CMV MAB	6
D3 CMV DFA	1
DHI CMV ID kit	1
DHI Monoclonal Ab	2
Dako	1
Dupont Anti-CMV Late Nuclear Protein MAB	1
Nanogen	1
Perkin Elmer CMV MAB	2

#### Confirmation Methods

Method	# of Responses
Immunofluorescence	25
PCR	2
No confirmation testing performed	1

**Sample 1215**  
**Respiratory syncytial virus**

**Confirmation Reagents**

Reagent Name	# of Responses
Bartels Respiratory kit	1
Bartels VRK kit	1
Binax NOW RSV	2
D3 Respiratory Screen DFA kit	2
D3 Ultra DFA Respiratory Virus Screen & ID kit	18
Dako	1
DHI	2
DHI Monoclonal Abs	1
DHI RSV	1
Light Diagnostics FA	1
Light Diagnostics RSV Reagent	1
Millipore	2
Millipore Respiratory DFA kit	3
PathoDx	1
Quidel	1
Respiratory Virus Screening ID kit DFA	1
RSV DFA kit	1
SimulFluor Respiratory Screen kit	1

**Confirmation Methods**

Method	# of Responses
Immunofluorescence	39
EIA	2

Confirmation Reagent data is not included in the above charts for Sample 1214, No virus.

## Notes:

- **If your laboratory uses a confirmation method that detects and types a virus, it is expected that your laboratory's result include the virus type.**
- The Virology PT shipping schedule for 2011 is posted on the Clinical Laboratory Evaluation Program website (<http://www.wadsworth.org/labcert/lep/PT/ptindex.html> ).
- **Generic worksheets** can be found at:  
<http://www.wadsworth.org/divisions/infdis/virologyPT/worksheets.shtml>

**Generic worksheets** can also be printed by logging onto the HPN and navigating to EPTRS, Results page, Print Optional Worksheet.

- **Instruction sheets** can be found at:  
<http://www.wadsworth.org/divisions/infdis/virologyPT/instruction.shtml>
- Participants **MUST** enter responses in ALL fields when reporting electronically; scores may be adversely affected if there are blank fields.
- In the "Virus Isolated" drop down menu, please select "No virus" if your intended answer is "No virus isolated." The scoring algorithm does not recognize "No virus isolated" and your score may be affected. In the case where "No virus" is selected, please select "Not Applicable: no virus isolated" in the Cell Line Detected In field. For the field, Confirmation Method, select No Confirmation Testing Performed; and in the field, Confirmation Reagents, type NA.

## EPTRS Notes:

- Participation in EPTRS is mandatory. Laboratories must submit test results electronically by logging into the Health Commerce System, navigating to EPTRS, entering results and clicking the "**Submit/Attest**" button on the EPTRS Summary Page.
- Please be sure to "Submit" test results. Keeping results as "Saved" is considered non-participation for the event and will automatically result in a failing grade in the electronic system.