



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

## General Category

January 2011

Summary of scores, responses, and  
statistics for General Category Samples:  
1236, 1237, 1238, 1239, 1240,

**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 January 2011  
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 January 2011 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 1236**, was a **No virus** specimen.

**NYS PT Sample 1237, Influenza virus, type A**, was a nasopharyngeal swab from a 48 year old male. The sample was originally isolated in 2009.

**NYS PT Sample 1238, Parainfluenza virus, type 3**, was a nasopharyngeal swab from a two year old male. The virus was originally isolated in 2009.

**NYS PT Sample 1239, Influenza virus, type A**, was a nasopharyngeal swab from a 33 year old female. The sample was originally isolated in 2009.

**NYS PT Sample 1240, Influenza virus, type B**, was a nasopharyngeal swab from a 22 year old female. The virus was originally isolated in 2009.

**Sample Scoring and Validation**

The scores and analysis from the January 2011 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.

All five samples are valid and their identities were also confirmed by reference laboratories (all are public health laboratories).

**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.

## January 2011 General Event

### Scoring Analysis: 38 Participating Laboratories

Sample #	1236	1237	1238	1239	1240
Sample Identification	No virus	Influenza virus, type A	Parainfluenza virus, type 3	Influenza virus, type A	Influenza virus, type B
Titer (TCID <sub>50</sub> ) Log 10/ml	0	3.5	6.5	2.7	3.0
Laboratories Scoring 100%	37	38	38	38	38

### General Grade Distribution

Total Score For Panel	100%	90%	80%	60%	40%	20%
Participating Laboratories	36	1	1	0	0	0

### Culture Methods Reported by Laboratories

	# of Responses Using Each Method/Sample				
	Sample 1236	Sample 1237	Sample 1238	Sample 1239	Sample 1240
Conventional	12	10	8	10	10
Centrifugation Enhanced	8	11	12	11	12
Conventional & Centrifugation Enhanced	18	17	18	17	16

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

<b>Cell Lines</b>	<b>1237 Inoculated</b>	<b>1237 Detected In</b>	<b>1238 Inoculated</b>	<b>1238 Detected In</b>	<b>1239 Inoculated</b>	<b>1239 Detected In</b>	<b>1240 Inoculated</b>	<b>1240 Detected In</b>
A549	9	2	9	2	8	2	9	2
AGMK	1		1		1		1	
BGMK	1		1		1		1	
CV-1								
E-Mix	2		2		3		3	
ELVIS								
H & V Mix	1							
HEL	1		1	1	1		1	
HEp-2	1		1		1		1	
HFF								
ML								
MKCy								
MRC-5	19		15	7	16		16	1
MRC-5 Shell vial								
MRHF	1		1				1	
pRK								
R-Mix	7	16	8	16	7	16	7	15
R-Mix Too	5	7	6	6	5	7	5	7
RhMK	16	24	17	21	20	24	18	22
Super E-Mix	1		1		1		1	
Vero								
WI-38	2		2		2		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 1236, No virus.

## Sample 1237

### Influenza virus, type A

#### Confirmation Reagents

Reagent Name	# of Responses
Bartels VRK kit	1
Binax NOW Influenza A/B	1
CDC PCR Protocol	1
DHI	5
D3 Duet DFA Influenza/Respiratory Virus Screen	4
D3 Ultra DFA Respiratory Virus Screen & ID kit	15
DHI Influenza A Monoclonal Ab	2
Directigen EZ Flu A/B	2
Flu A Monoclonal Antibody	2
Flu B Monoclonal Antibody	
IMAGEN Oxoid Influenza kit	1
In-house RT-PCR	1
Millipore Respiratory Viral DFA Screen kit	2
PathoDx	1
Quidel	1
Simulfluor Flu A/B	2
WHO/CDC	1

#### Confirmation Methods

Method	#of Responses
Immunofluorescence	34
EIA	3
Hemagglutination Inhibition	1

## Sample 1238

### Parainfluenza virus, type 3

#### Confirmation Reagents

Reagent Name	# of Responses
Bartels VRK	1
DHI	1
D3 Duet DFA Influenza/Respiratory Virus Screen	4
D3 Ultra DFA Respiratory Virus Screen & ID kit	15
DHI Parainfluenza 3 Monoclonal Ab	2
Millipore Light Diagnostics MAB	3
Millipore Light Diagnostics Parainflueza 1,2,3 DFA kit	1
Millipore Respiratory Viral Screen DFA kit	2
PathoDx	1
Parainfluenza MAB	1
Parainfluenza 3 MAB	2
Simulfluor Parainfluenza 1,2,3	1

#### Confirmation Methods

Method	# of Responses
Immunofluorescence	35
DFA	1
Hemadsorption	1

**Sample 1239**  
**Influenza virus, type A**

**Confirmation Reagents**

Reagent Name	# of Responses
Bartels VRK kit	1
Binax NOW Influenza A/B	2
CDC PCR Protocol	1
DHI	5
D3 Duet DFA Influenza/Respiratory Virus Screen	4
D3 Ultra DFA Respiratory Virus Screen & ID kit	15
DHI Influenza A Monoclonal Ab	1
Directigen EZ Flu A/B	1
Flu A Monoclonal Antibody	2
Flu B Monoclonal Antibody	1
IMAGEN Oxoid Influenza kit	1
In-house RT-PCR	1
Millipore Respiratory Viral DFA Screen kit	2
PathoDx	1
Quidel	1
Simulfluor Flu A/B	2
WHO/CDC	1

**Confirmation Methods**

Method	# of Responses
Immunofluoresence	34
HAD	1
Hemagglutination Inhibition	1
EIA	2

**Sample 1240**  
**Influenza virus, type B**

**Confirmation  
 Reagents**

Reagent Name	# of Responses
Bartels VRK kit	1
Binax NOW Influenza A/B	2
CDC PCR Protocol	1
DHI	5
D3 Duet DFA Influenza/Respiratory Virus Screen	3
D3 Ultra DFA Respiratory Virus Screen & ID kit	16
Directigen EZ Flu A/B	1
Flu A Monoclonal Antibody	1
Flu B Monoclonal Antibody	2
IMAGEN Oxoid Influenza kit	1
In-house RT-PCR	1
Millipore Respiratory Viral DFA Screen kit	2
PathoDx	1
Quidel	1
Simulfluor Flu A/B	2
WHO/CDC	1

**Confirmation Methods**

Method	# of Responses
Immunofluorescence	34
EIA	2
HAD	1
Hemagglutination Inhibition	1

Confirmation Reagent data is not included in the above charts for Sample 1236, 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>).

- May 2011 Proficiency Test Dates:
  - Influenza Direct Antigen Detection: May 3
  - General Isolation: May 4
  - General Isolation Limited to HSV Testing: May 4
  - Rotavirus and Respiratory syncytial virus Direct Antigen Detection: May 10
  
- **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.