



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

## General Category

May 2010

Summary of scores, responses, and  
statistics for General Category Samples:  
1186, 1187, 1188, 1189, 1190,

**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 May 2010 General Category Evaluation Reports are available at:**  
<https://commerce.health.state.ny.us/doh3/applinks/epters/> 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 May 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 1186, Herpes simplex virus, type 2**, was a vesicle swab from a forty-six year old female with a vesicular rash. This virus was originally isolated in 2007.

**NYS PT Sample 1187**, was a **No virus** specimen

**NYS PT Sample 1188, Varicella zoster virus**, was a vesicle swab from a ten year old female with a vesicular rash. The virus was originally isolated in 2008.

**NYS PT Sample 1189, Coxsackievirus B1**, was a throat swab from a twenty-four year old female with a fever, sore throat and body aches. The virus was originally isolated in 2007.

**NYS PT Sample 1190, Adenovirus, type 2**, was a tracheal aspirate from a five year old female with fever and increased trach secretions. The virus was originally isolated in 2007.

### **Sample Scoring and Validation**

The scores and analysis from the May 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 establish 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 #1188, varicella zoster virus, did not meet an 80% consensus among the 40 participants that attempted identification and therefore, full credit for this sample will be awarded to all participants. Among the 41 responding laboratories, 28 reported the sample as varicella zoster virus, 12 reported it as no virus isolated, and 1 reported specimen source not tested by culture. Congratulations to all laboratories that correctly identified sample 1188 as varicella zoster virus.

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.

## May 2010 General Event

### Scoring Analysis: 41 Participating Laboratories\*

Sample #	1186	1187	1188	1189	1190
Sample Identification	Herpes simplex virus, type 2	No virus	Varicella zoster virus	Coxsackievirus B1	Adenovirus, type 2
Titer (TCID <sub>50</sub> ) Log 10/ml	7.3	0	1.5	7.5	6.3
Laboratories Scoring 100%	40*	41	40*, **	41	41

\*One participant entered specimen source not tested by culture.

\*\*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	41	0	0	0	0	0

### Culture Methods Reported by Laboratories

	# of Responses Using Each Method/Sample				
	Sample 1186	Sample 1187	Sample 1188	Sample 1189	Sample 1190
Conventional	19	26	18	20	16
Centrifugation Enhanced	7	7	8	8	9
Conventional & Centrifugation Enhanced	15	8	14	13	16

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

<b>Cell Lines</b>	<b>1186 Inoculated</b>	<b>1186 Detected In</b>	<b>1188 Inoculated</b>	<b>1188 Detected In</b>	<b>1189 Inoculated</b>	<b>1189 Detected In</b>	<b>1190 Inoculated</b>	<b>1190 Detected In</b>
A549	18	15	17	4	12	11	15	14
AGMK	1	1	1		1	1	1	1
BGMK	1	1	1		1	1	1	
CV-1	1	1	1	1	1		1	
E-Mix	4	1	4		7	6	4	
ELVIS	2	2	2				1	
H & V Mix	7	5	6	6			1	
HEL	2	2	2		1	1	1	
HEp-2			1		2	2	3	2
HFF	2			1	2		1	
ML								
MKCy								
MRC-5	25	24	24	14	19	8	21	9
MRC-5 Shell vial					1	1		
MRHF	1		1	1	1		1	
pRK	3	3	3					
R-Mix	1		1		8	2	7	11
R-Mix Too					1		7	4
RhMK	7	8	10	1	22	30	19	15
Super E-Mix					2	2		
Vero	1	1	1	1				
WI-38					1		2	1

\*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 1187, No virus.

## Sample 1186

Herpes simplex virus,  
type 2

### Confirmation Reagents

Reagent Name	# of Responses
Bartels DFA	3
Bartels HSV Bivalent Fluorescent Ab	2
Bartels HSV 1 & 2 Typing Kit	3
Chemicon Simulfluor HSV/VZV	1
DHI	1
DHI D3 DFA ID Kit	2
DHI D3 DFA ID & Typing Kit	2
ELVIS	2
Light Diagnostics/Millipore	5
PathoDx Herpes Typing	7
MicroTrak HSV 1 & 2 ID & Typing Kit	10

### Confirmation Methods

Method	#of Responses
Immunofluorescence	40

## Sample 1188

Varicella zoster virus

### Confirmation Reagents

Reagent Name	# of Responses
Bartels	1
Chemicon	1
D3 DFA VZV virus ID kit	3
Light Diagnostics VZV DFA	3
Meridian Bioscience Merifluor VZV Ab	10
MicroTrak typing kit	1
Millipore/Light Diagnostics VZV MAB	7
Simulfluor HSV/VZV DFA	1

### Confirmation Methods

Method	# of Responses
Immunofluorescence	27
PCR	1

**Sample 1189**  
**Coxsackievirus B1**

**Confirmation Reagents**

Reagent Name	# of Responses
Chemicon	2
Coxsackie B blend	1
DHI D3 IFA Enterovirus	12
LBM Pools	1
Light Diagnostics Coxsackievirus B MAB	8
Light Diagnostics Panentero blend	9
Millipore Enterovirus MAB kit	3
No confirmation testing performed	1

**Confirmation Methods**

Method	# of Responses
CPE only	1
Culture Passage	1
Immunofluorescence	35
Neutralization	2
PCR	2

**Sample 1190**  
**Adenovirus, type 2**

**Confirmation Reagents**

Reagent Name	# of Responses
Adenovirus DFA kit	1
Bartels IFA	2
Bartels Adenovirus Ab	1
Dako	1
DHI	1
DHI Adenovirus MAB	5
DHI DFA Respiratory Virus ID kit	7
DHI D3 Ultra Respiratory Virus Screen	11
Light Diagnostics Adenovirus MAB	7
Light Diagnostics/Millipore Diagnostic Respiratory Viral Screen DFA kit	3
Pathdx	1
Trinity Biotech VRK	1

**Confirmation Methods**

Method	# of Responses
Immunofluorescence	40
Neutralization	1

Confirmation Reagent data is not included in the above charts for Sample 1187, 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 2010 is posted on the Clinical Laboratory Evaluation Program website (<http://www.wadsworth.org/labcert/lep/PT/ptindex.html> ).
- Lot numbers and expiration dates for Confirmation Reagents/Kits are no longer a required field.
- Generic worksheets are provided for your optional use. Please do not return these worksheets to us. Generic worksheets can also be printed via the HPN (<https://commerce.health.state.ny.us/doh3/applinks/epters/>).
- 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 in to: <https://commerce.health.state.ny.us/doh3/applinks/epters/> entering their 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.