



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

## General Category

September 2009

Summary of scores, responses, and  
statistics for General Category Samples:  
1136, 1137, 1138, 1139, 1140,  
Educational sample E2

**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 2009 General Category Evaluation Reports are available at: <https://commerce.health.state.ny.us/doh3/applinks/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 2009 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 in the Virus and Surveillance Laboratory at the Wadsworth Center.

**NYS PT Sample 1136**, was a **No virus** specimen.

**NYS PT Sample 1137, Cytomegalovirus**, was a simulated urine from a 9 month old male with fever, cough, dehydration, and conjunctivitis. The virus was originally isolated in 2006.

**NYS Sample 1138, Herpes simplex virus, type 1**, was a simulated vesicle swab from a 21 year old female with fever. The virus was originally isolated in 2006.

**NYS Sample 1139, Varicella zoster virus**, was a simulated vesicle swab from a 20 year old male with a rash. The virus was originally isolated in 2006.

**NYS Sample 1140, Respiratory syncytial virus**, was a simulated nasopharyngeal swab from a 51 year old female with fever, diarrhea, nausea, and headache. The virus was originally isolated in 2006.

**NYS Sample E2, Measles**, was a simulated NPS from a 1 year old male with rash, fever, cough, and sore throat. The sample was originally isolated in 2006.

The September 2009 General Proficiency Test panel included one **Educational Sample, E2**. The Evaluation Report will list your laboratory's result (correct vs. incorrect) as well as the consensus response. However, the result on this educational sample will **not** be included in your final grade. Thank you to all laboratories that participated in identifying the Educational sample.

## Sample Scoring and Validation

The scores and analysis from the September 2009 General Panel are shown below. Federally mandated validation criteria require a sample to be correctly identified by at least 80% of participating laboratories. Four samples are valid and their identities were also confirmed by reference laboratories. Sample #1139, Varicella zoster virus, did not meet an 80% consensus and therefore full credit for this sample will be awarded to all participants. This sample's identity was also confirmed by reference laboratories. *Congratulations to the laboratories that correctly identified this sample as Varicella zoster virus.*

CLIA and CLEP establish a passing grade for participating laboratories at 80% or greater.

**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 2009 General Event

### Scoring Analysis: 43 Participating Laboratories\*

Sample #	1136**	1137***	1138***	1139***	1140
Sample Identification	No virus	CMV	Herpes simplex virus, type 1	VZV	RSV
Titer (TCID <sub>50</sub> ) Log 10/ml	0	3.5	6.5	3.0	4.5
Laboratories Scoring 100%	40	39	39	15	41

\*Two participants scored 0% due to Non-Participation or "SAVED" results.

\*\*One participant reported "Specimen source not tested."

\*\*\*Two participants reported "Specimen source not tested."

### General Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	40	1	0	0	0	2*

\*Two participants scored 0% due to Non-Participation or "SAVED" results.

### Culture Methods Reported by Laboratories

# of Responses Using Each Method/Sample

	Sample 1136	Sample 1137	Sample 1138	Sample 1139	Sample 1140
Conventional	24	20	15	13	14
Centrifugation Enhanced	2	7	9	9	13
Conventional & Centrifugation Enhanced	15	13	16	18	15

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

<b>Cell Lines</b>	<b>1137 Inoculated</b>	<b>1137 Detected In</b>	<b>1138 Inoculated</b>	<b>1138 Detected In</b>	<b>1139 Inoculated</b>	<b>1139 Detected In</b>	<b>1140 Inoculated</b>	<b>1140 Detected In</b>
A549	17		18	17	17	3	15	5
AGMK	1		1	1	1		1	
BGMK	2		1					
CV-1					1	1		
E-Mix	3		4		4	1	6	
ELVIS			3	3	2			
H & V Mix	3	3	6	5	7			
HEL								
Hep-2	2		2	2	2		7	5
HFF	3	3			1			
ML			1					
MKCy								
MRC-5	36	33	30	28	31	7	23	9
MRHF	2	2	3	3	2			
pRK			4	4	4			
R-Mix	2						16	15
R-Mix Too							5	5
RhMK	14		12	2	11		27	21
Super E-Mix								
Vero	1		2	2	2		1	
WI-38							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 1136, No virus.

**Sample 1137**  
**CYTOMEGALOVIRUS**  
**Confirmation Reagents**

Reagent Name	# of Responses
Bartels CMV DFA	6
Chemicon/Millipore CMV DFA kit	19
DHI D <sup>3</sup> DFA CMV ID kit	3
Dupont CMV Late Nuclear Protein	1
Meridian Bioscience Merifluor CMV IgG	1
PathoDx CMV kit	1
Perkin Elmer CMV IE Ag Ab	1
Perkin Elmer CMV monoclonal ab	2
Perkin Elmer/ICN Cappel	1

**Confirmation Methods**

Method	#of Responses
Immunofluoresence	37
No Cornfirmation	2

**Sample 1138**  
**Herpes simplex virus, type 1**

**Confirmation Reagents**

Reagent Name	# of Responses
Bartels	1
Bartels HSV Bivalent DFA kit	4
Bartels HSV Typing	2
Bartels MAB	1
Chemicon /Millipore HSV DFA	1
Chemicon/Light Diagnostics Simulfluor HSV/VZV DFA kit	2
DHI D <sup>3</sup> DFA HSV ID/Typing kit	2
DHI ELVIS HSV Test System	2
MicroTrak HSV 1/HSV 2 Culture ID typing	8
Light Diagnostics	2
Light Diagnostic/Millipore HSV Reagent	1
PathoDx Herpes Typing kit	6
Remel IMAGEN HSV 1 Reagent	1
SYVA MicroTrak HSV 1/2	2

**Confirmation Methods**

Method	# of Responses
EIA	1
Immunofluoresence	41

**Sample 1139**  
**Varicella zoster virus**

**Confirmation Reagents**

Reagent Name	# of Responses
Chemicon VZV kit	1
DHI D <sup>3</sup> DFA VZV ID kit	1
Light Diagnostics VZV DFA	2
Meridian Diagnostics	2
Meridian Bioscience Merifluor VZV	1
Millipore	1
Millipore/Chemicon FITC VZV MZB	1
Millipore/Light VZV MAB stain	1
Millipore VZV DFA	1

**Confirmation Methods**

Method	# of Responses
Immunofluorescence	15

**Sample 1140**  
**Respiratory syncytial virus**

**Confirmation Reagents**

Reagent Name	# of Responses
Bartels RSV FA	3
Bartels Viral Respiratory Kit	2
Binax NOW RSV	1
BioRad Pathfinder RSV	1
DHI D <sup>3</sup> DFA Respiratory Screen and ID Kit	3
DHI D <sup>3</sup> Ultra DFA Respiratory Screen and ID Kit	13
DHI RSV DFA	4
DHI Respiratory Virus ID Kit	1
Light Diagnostics	4
Millipore	1
Millipore Respiratory DFA kit	3
Millipore Simulfluor Respiratory Screen	1
PathoDx RSV	1
Respiratory Panel	1

**Confirmation Methods**

Method	# of Responses
Immunofluorescence	39
Enzyme Immunofluorescence	2

Confirmation Reagent data is not included in the above charts for Sample 1136, No virus.

**Optional Educational Sample: 39 of 43 laboratories participated\***

<b>Sample #</b>	<b>E-2</b>
<b>Sample Identification</b>	<b>Measles</b>
<b>Titer (TCID<sub>50</sub>) Log 10/ml</b>	5.5

\*One laboratory did not participate.  
Three participants did not test sample.

**Reported Responses in EPTRS**

<b>Response</b>	<b># of Laboratories</b>
Measles	17
No virus	15
Presumptive Measles	2
Educational sample not tested	3
Enterovirus, untyped	1
Parainfluenza 1	1
Refer for identification	1
Hemadsorbing virus, send to reference laboratory for identification	1
Virus isolated, not able to identify, send to NYSDOH	1

**Culture Methods Reported by Laboratories**

<b># of Responses Using Each Method*</b>	
	<b>Sample E 2</b>
<b>Conventional</b>	<b>17</b>
<b>Centrifugation Enhanced</b>	<b>5</b>
<b>Conventional &amp; Centrifugation Enhanced</b>	<b>17</b>

\*One laboratory did not participate in the event.  
Three participants did not test sample.

## Confirmation Reagents

Reagent Name	# of Responses
Chemicon	1
Chemicon Measles Ab	1
Light Diagnostics	4
Light Diagnostics/Millipore Measles	3
Light Diagnostics/Millipore Measles MAB	1
Millipore Measles IFA kit	6

Thank you very much for your participation in this Educational event. Congratulations to the labs that correctly identified the virus as Measles.

### Notes:

- The NYS Virology Proficiency Testing laboratory recently re-located to the David Axelrod Institute. Our new US Postal Service address is:
  - Virology Proficiency Testing Program, David Axelrod Institute, Wadsworth Center, NYS Department of Health, PO Box 22002, Albany, NY 12201-2002.
  - Telephone 518-474-0140 and fax 518-473-4336.
- The Virology PT shipping schedule for 2010 may have slight differences than in the past. The schedule will be posted on the Clinical Laboratory Evaluation Program website (<http://www.wadsworth.org/labcert/lep/PT/ptindex.html>).
- If you are using a confirmation method that detects and types a virus, it is expected that you will report the virus type.
- 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/eptrs/> 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.