

The New York State Proficiency Testing Program is pleased to send you this new format analysis and critique of the January 2009 General event.

Your laboratory's Evaluation Report is available at <https://commerce.health.state.ny.us/doh3/applinks/eprts/> and can be printed for your records. Evaluation Reports are NO LONGER sent to each laboratory.

The 2009 General panel contained four simulated patient specimens that were isolates from patient specimens and one no virus sample.

NYS PT Sample 1086, Respiratory syncytial virus, was a simulated throat swab from a two year old female with fever, cough, diarrhea, and bronchiolitis. The virus was originally isolated in the Virus Reference and Surveillance Laboratory (VRSL) at the Wadsworth Center.

NYS PT Sample 1087 was a **No virus** specimen.

NYS Sample 1088, Influenza virus, type A, was a simulated NPS from an 11 year old male with fever, cough, and an upper respiratory infection. The virus was subtype H1N1 as determined by RT-PCR at the Wadsworth Center, and the strain was determined by HI at the CDC as New Caledonia/20/99-like. The virus was originally isolated in the VRSL from a NPS, from a 6 year old male in 2007.

NYS Sample 1089, Parainfluenza, type 1, was a simulated nose swab. The virus was originally isolated in the VRSL from a Nose/throat swab from a 77 year old male in 2006, with fever, cough, and rhinitis.

NYS Sample 1090, Herpes simplex virus, type 2, was a simulated vesicle swab. The virus was originally isolated in the VRSL from a vesicle swab from a 22 year old male in 2006.

The scores and analysis from the January 2009 General Panel are shown below. Federally mandated validation criteria require a sample to be correctly identified by at least 80% of participating laboratories. All five samples are valid and their identities were also confirmed by reference laboratories. CLIA and CLEP establish a passing grade for participating laboratories at 80% or greater.

**January 2009 General Event
Scoring Analysis: 43 Participating Laboratories**

Sample #	1086	1087	1088	1089	1090
Sample Identification	RSV	No virus	Influenza virus, type A	Parainfluenza virus, type 1	Herpes simplex virus, type 2
Titer (TCID50) Log 10/ml	6.3	0	7.5	7.5	7.5
Laboratories Scoring 100%	43	43	43	43	43

January 2009 General Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	43	0	0	0	0	0

Culture Methods Reported by Laboratories

	# of Responses Using Each Method/Sample				
	Sample 1086	Sample 1087	Sample 1088	Sample 1089	Sample 1090
Conventional	15	23	13	14	17
Centrifugation Enhanced	10	6	12	12	8
Conventional & Centrifugation Enhanced	18	16	18	18	17

Cell lines utilized by participating laboratories for culture of each sample*								
Cell Lines	1086 Inoculated	1086 Detected In	1088 Inoculated	1088 Detected In	1089 Inoculated	1089 Detected In	1090 Inoculated	1090 Detected In
A549	21	5	18	2	19	2	21	20
AGMK	1				1		1	1
BGMK	1				1			
CV-1	1	1					1	1
E-Mix	4		3		3		2	
ELVIS							3	3
H & V Mix	2				2		5	4
HEL	1		1	1	1			
Hep-2	13	12	11		10	2	7	4
HFF	2	2			1		1	1
ML							1	1
MKCy	1		1	1	1	1		
MRC-5	32	11	29	2	29	1	33	33
MRHF	2	1	1		2		3	2
pRK							4	4
R-Mix	14	15	14	17	16	15	1	
R-Mix Too	7	5	7	5	5	5	1	
RhMK	33	18	30	26	29	26	19	7
Super E-Mix	2				1		1	1
Vero	1		1		1		1	1
WI-38	1	1	2	1	2	1		

*To generate this data, the first two selections listed on the submitted information has 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 1087, No virus.

Sample 1086 RSV

Confirmation Reagents

Reagent Name	# of Responses
Bartels	2
Bartels VRK	1
Binax NOW RSV	1
BioRad Pathfinder RSV	1
Chemicon/Millipore	1
DAKO	1
D3 Duet DFA RSV/Respiratory Virus Screen	1
D3 Ultra DFA Respiratory Virus Screen	18
DHI	1
DHI DFA Respiratory Screen	1
DHI Respiratory Virus ID Kit	1
DHI RSV	1
DHI RSV Reagent	1
IF Respiratory Screen Kit	1
Light Diagnostics	1
Light Diagnostics Respiratory Panel	1
Light Diagnostics RSV DFA kit	1
Millipore	1
Millipore Respiratory DFA Screen kit	2
PathoDX RSV	1
RSV MAB	1
RSV Reagent	1
RSV Reagent Millipore	1

Confirmation Methods

Method	# of Responses
EIA	2
HAD	1
HAI	0
IF	40
Immunoperoxidase	0

**Sample 1088
Influenza A Virus**

**Confirmation
Reagents**

Reagent Name	# of Responses
Bartels	2
Bartels VRK	1
BD Directigen Flu A & B	1
Binax NOW Influenza A & B	1
DAKO	1
D3 Duet Inf A/Respiratory Virus Screening kit	6
D3 Duet RSV/Respiratory Virus Screen kit	1
D3 Ultra DFA Respiratory Virus & Screen ID kit	16
DHI	1
Flu MAB	1
Invitrogen	
Light Diagnostic	1
Light Diagnostic Respiratory Panel	1
Millipore Flu reagent	1
Millipore Respiratory DFA Screen kit	2
Millipore Simulfluor Flu A/B	2
Oxoid Influenza A & B	1
PathoDX Influenza A	1
Quidel	1
Respiratory virus ID DFA kit	1

Confirmation Methods

Method	# of Responses
EIA	3
HAD	8
HAI	1
IF	34
Immunoperoxidase	0
PCR	1

Sample 1089 Parainfluenza 1 Virus

Confirmation Reagents

Reagent Name	# of Responses
Bartels	1
Bartels VRK	1
Binax NOW Influenza A & B	1
Chemicon/Millipore	1
DAKO	1
D3 Ultra DFA Respiratory Virus Screen & ID kit	22
DHI	1
DHI Para 1	2
Light Diagnostics Parainfluenza	54
Millipore	3
Millipore Respiratory DFA Screen kit	2
Parainfluenza 1 MAB	2

Confirmation Methods

Method	# of Responses
EIA	0
HAD	8
HAI	0
IF	40
Immunoperoxidase	0

Sample 1090 Herpes Simplex Virus 2

Confirmation Reagents

Reagent Name	# of Responses
Bartels	3
Bartels HSV Bivalent DFA kit	2
Bartels HSV Typing	1
Bartels MicroTrak	1
D3 DFA HSV ID/Typing kit	1
DHI D3 Herpes simplex	1
DHI ELVIS Typing kit	2
DHI HSV ID kit	2
HSV DFA	1
HSV 1/HSV 2 Culture ID Typing	1
HSV Reagent Trinity Biotech	1
Light Diagnostic	1
MicroTrak	2
MicroTrak HSV ID kit	1
MicroTrak HSV 1/2 Culture ID kit	1
Millipore	1
Millipore Light Diagnostics HSV Reagent	1
Millipore Simulfluor HSV/VZV DFA	1
PathoDX	3
PathoDX Herpes Typing	3
Simulfluor HSV 1/2	3
SYVA MicroTrak HSV 1/2	2
Trinity Biotech HSV ID/Typing	3

Confirmation Methods

Method	# of Responses
EIA	0
HAD	0
HAI	0
IF	40
Immunoperoxidase	1

Please be aware of the following notes:

- Lot numbers and expiration dates for Confirmation Reagents/Kits are no longer a required field.
- 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.**
- 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 type NA in the required fields: Cell Line Virus Detected In, and Confirmation Method/Kit.
- If you are using a confirmation method that detects and types a virus, it is expected that you will report the virus type.

Please Note: 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.

We hope you find the additional data informative and would appreciate any feedback. Please feel free to contact us with any questions or concerns at (518) 869-4540.