



STATE OF NEW YORK

DEPARTMENT OF HEALTH

*Virology Proficiency Testing Program*

# Direct Antigen Detection Category

September 2009

Summary of scores, responses, and statistics for  
Rotavirus, Respiratory syncytial virus, and  
Influenza virus A & B

## **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 Direct Antigen Detection 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. Data includes that from laboratories holding a Virology General permit as well as laboratories holding Virology permits restricted to Direct Antigen Detection Only.

All NYSDOH Proficiency Test samples were prepared from isolates of viruses grown in the Virus Reference and Surveillance Laboratory at the Wadsworth Center.

### Sample Scoring and Validation

The scores and analyses for the September 2009 event can be found below. Federally mandated validation criteria require a sample to be correctly identified by at least 80% of participating laboratories. In this event, all five samples in the Rotavirus, RSV and Influenza subcategories were validated. All five sample identities in each event were also confirmed by reference laboratories. CLIA and CLEP establish a passing grade for participating laboratories at 80%.

### Rotavirus Score and Test Kit Statistics

#### Rotavirus Scoring Analysis: 75 laboratories in category

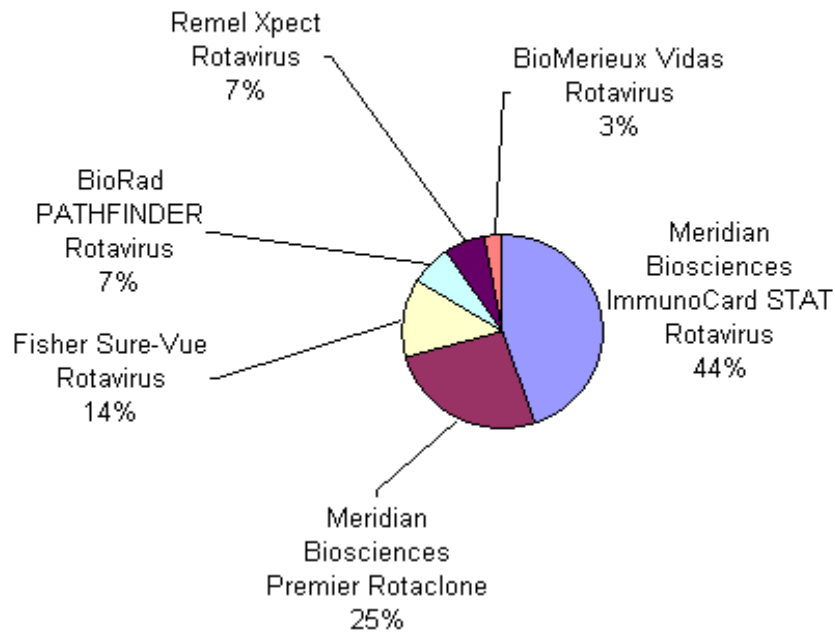
Sample #	1146	1147	1148	1149	1150
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Sample Identification	Rotavirus	Rotavirus	No virus	Rotavirus	No virus
Titer (TCID <sub>50</sub> ) Log 10 per ml	2.0	2.0	0	2.0	0
Laboratories Scoring 100%	74	74	75	73	75

#### Rotavirus Grade Distribution

Total Score for Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	72	2	1	0	0	0

**Percentage of NYS PT participating labs using each Rotavirus kit**



**Rotavirus**

Test Kit/Method	# of Labs and associated score*					
	100%	80%	60%	40%	20%	0%
Meridian Biosciences ImmunoCard STAT Rotavirus	31	2	0			
Meridian Biosciences Premier Rotaclone	19		1			
Fisher Sure-Vue Rotavirus	10					
BioRad PATHFINDER Rotavirus	5					
Remel Xpect Rotavirus	5					
BioMerieux Vidas Rotavirus	2					

\*This does not include laboratories that scored 0% due to non-participation

## RSV Score and Test Kit Statistics

### RSV Scoring Analysis: 151 Laboratories in category

Sample #	1151	1152	1153	1154	1155
Sample Identification	No virus	RSV	RSV	RSV	RSV
Titer (TCID <sub>50</sub> ) Log 10 per ml	0	3.0	4.0	3.3	2.5
Laboratories Scoring 100%	149	149	149	148	149

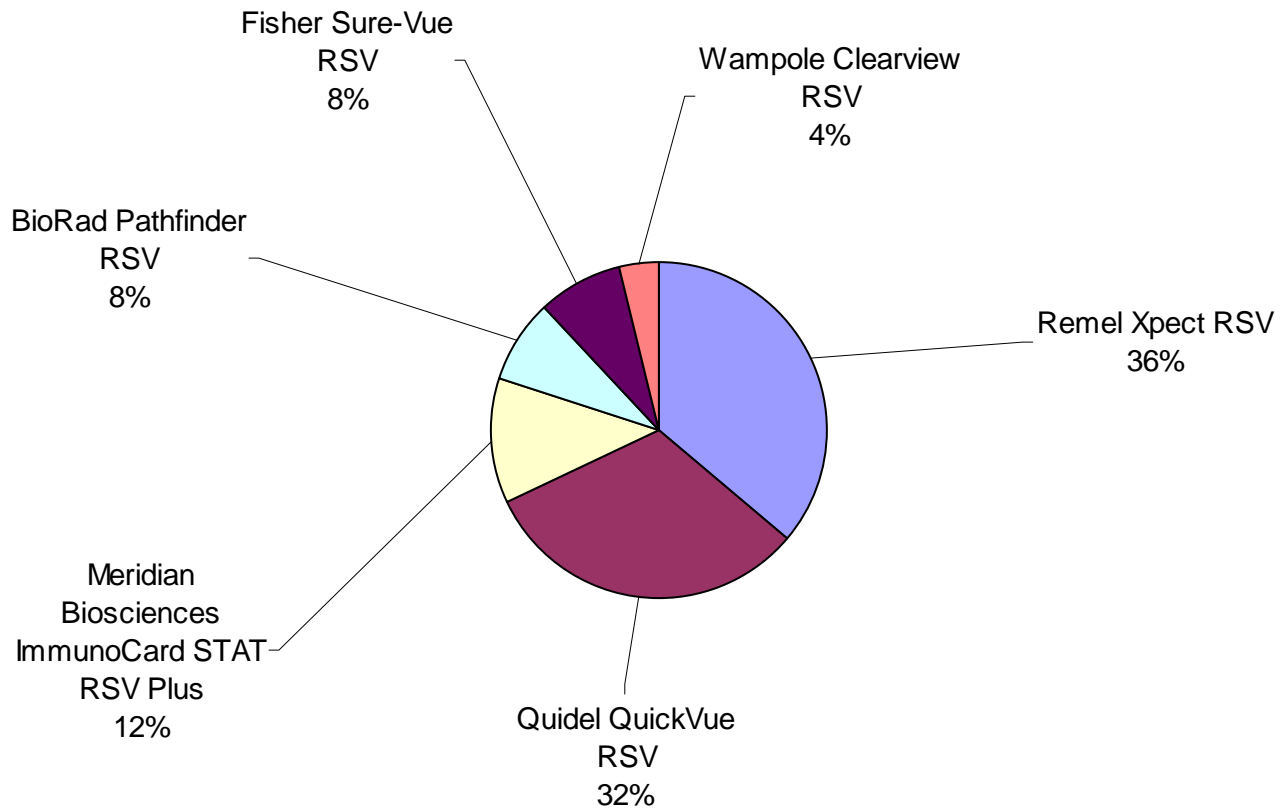
Note: One laboratory temporarily suspended testing.  
One laboratory failed to participate.

### RSV Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	148	1	0	0	0	0

Note: One laboratory temporarily suspended testing.  
One laboratory failed to participate.

## Percentage of NYS PT participating labs using each RSV kit



RSV Test Kit/Method	# of Labs and associated score*					
	100%	80%	60%	40%	20%	0%
Binax NOW RSV	68					
BD Directigen EZ RSV	45					
BD Directigen RSV	10					
Remel Xpect RSV	9	1				
Quidel QuickVue RSV	8					
Meridian Biosciences ImmunoCard STAT RSV Plus	3					
BioRad Pathfinder RSV	2					
Fisher Sure-Vue RSV	2					
Wampole Clearview RSV	1					

\*This does not include laboratories that scored 0% due to non-participation

# Influenza Score and Test Kit Statistics

## Influenza Scoring Analysis: 224 Laboratories in category\*

Sample #	1156	1157	1158	1159	1160
<b>Sample Identification</b>	No virus	Influenza virus, type A	Influenza virus, type B	Influenza virus, type B	Influenza virus, type A
<b>Titer (TCID<sub>50</sub>) Log 10 per ml</b>	0	5.3	3.3	2.0	4.2
<b>Laboratories Scoring 100%</b>	223	222	223	223	222

\*One participant reported "Test Temporarily Suspended."

## CDC Characterization

Samples 1157 and 1160: Influenza A: A/NEW CALEDONIA/20/99-LIKE (H1N1)

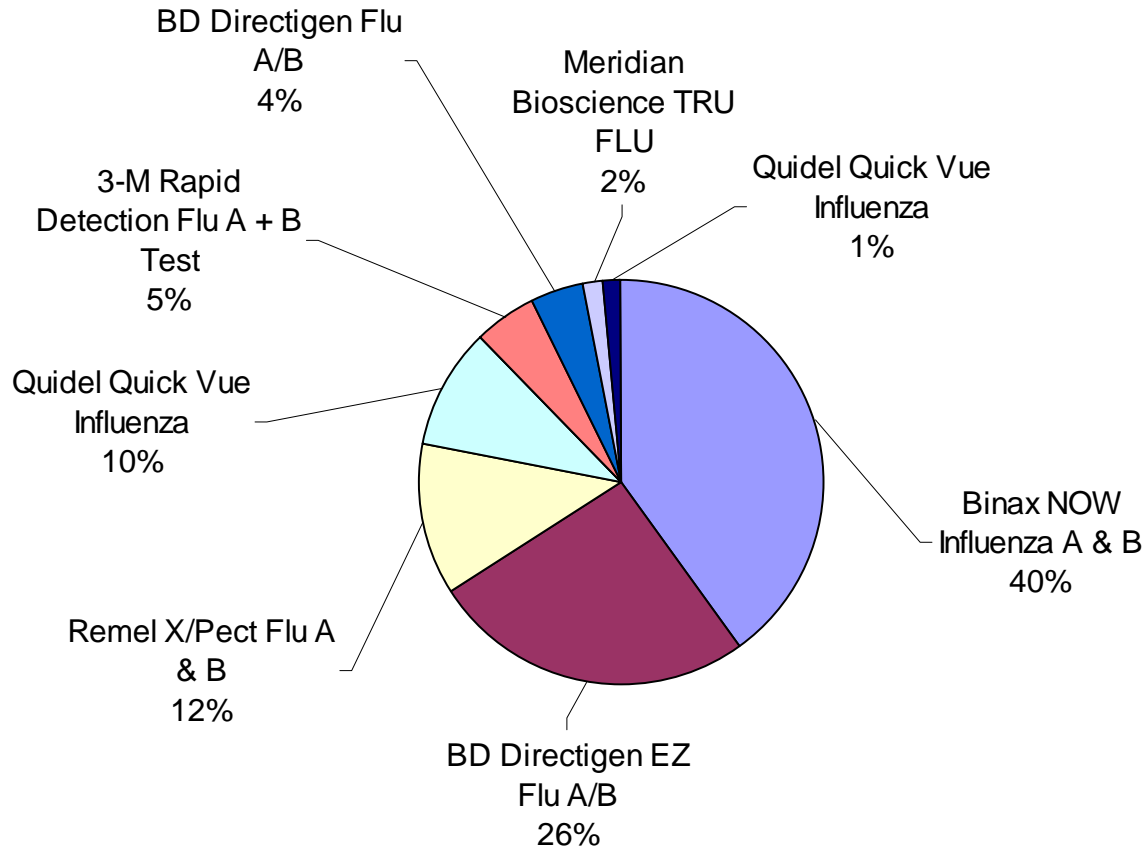
Sample 1158, Influenza B: B/OHIO/01/2005-LIKE (B/Victoria lineage)

Sample 1159, Influenza B: B/FLORIDA/07/2004-LIKE (B/Yamagata lineage)

## Influenza Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
<b>Participating Laboratories</b>	222	0	1	0	0	0

## Percentage of participating NYS PT labs using each Influenza kit



Influenza Test Kit/Method	# of Labs and associated score*					
	100%	80%	60%	40%	20%	0%
Binax NOW Influenza A & B	89					
BD Directigen EZ Flu A/B	57					
Remel X/Pect Flu A & B	27		1			
Quidel Quick Vue Influenza A & B	22					
3-M Rapid Detection Flu A + B Test	11					
BD Directigen Flu A/B	9					
Meridian Bioscience TRU FLU	4					
Quidel Quick Vue Influenza	3					

\* This does not include laboratories that scored 0% due to non-participation

## 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 January 2010 Influenza A and B Direct Antigen Detection panel will include two **Educational samples**. It is not mandatory that you test these samples-they are **optional** samples. Your responses for these samples can be entered in EPTRS. The Evaluation Report will list your laboratory's results, a feedback response (correct vs. incorrect) as well as the consensus response. **These educational samples will not be included in your final grade**. Please notify staff about these additional samples.
- 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> ).
- 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/eptrs/>).
- Participants **MUST** enter responses in ALL fields when reporting electronically; scores may be adversely affected if there are blank fields.

## 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.**

