



STATE OF NEW YORK

DEPARTMENT OF HEALTH

*Virology Proficiency Testing Program*

# Direct Antigen Detection Category

January 2011

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 January 2011 Direct Antigen Detection 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. 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 Virology Laboratory at the Wadsworth Center.

### Sample Scoring and Validation

The scores and analyses for the January 2011 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 established a passing grade for participating laboratories at 80%.

## Rotavirus Direct Antigen Proficiency Testing Panel

### Rotavirus Scoring Analysis: 71 laboratories in category

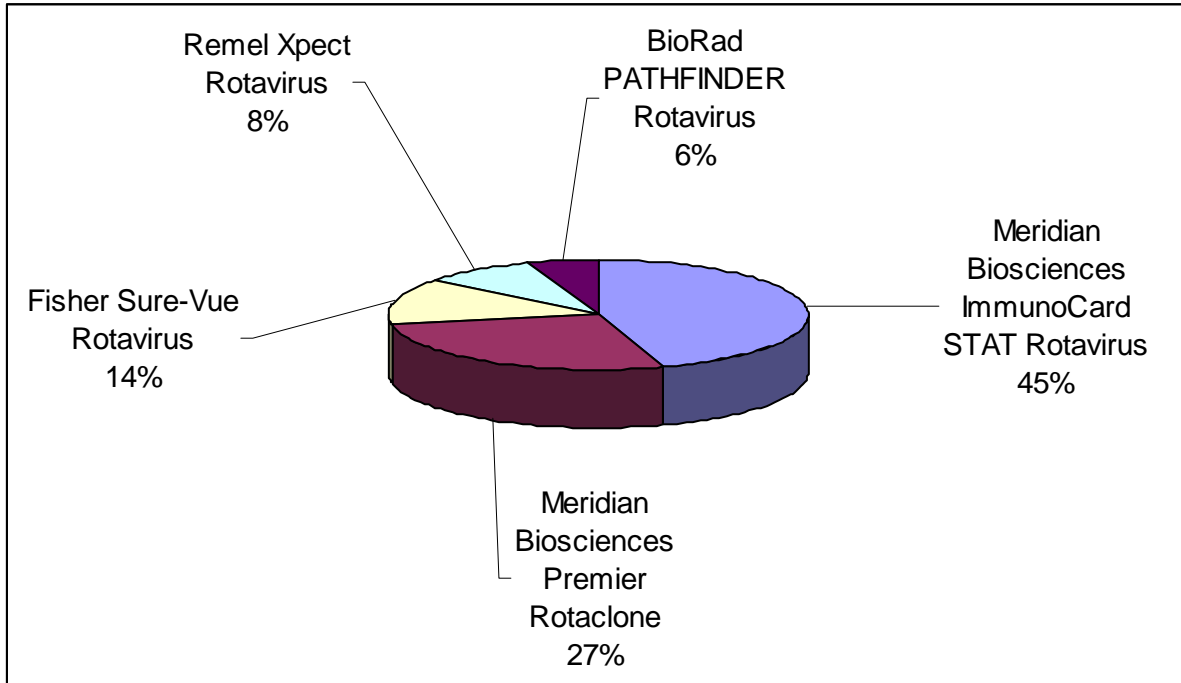
Sample #	1246	1247	1248	1249	1250
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Sample Identification	Rotavirus	No virus	Rotavirus	Rotavirus	Rotavirus
Titer (TCID <sub>50</sub> ) Log 10 per ml	6.0	0	5.5	6.0	5.7
Laboratories Scoring 100%	70	71	70	71	69

### Rotavirus Grade Distribution

Total Score for Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	69	1		1		

## Rotavirus Kits Used by Participating Laboratories



## Rotavirus Scores by Test Kit

Test Kit/Method	# of labs and associated score					
	100%	80%	60%	40%	20%	0%
Meridian Biosciences ImmunoCard STAT Rotavirus	31			1		
Meridian Biosciences Premier Rotaclone	18	1				
Fisher Sure-Vue Rotavirus	10					
Remel Xpect Rotavirus	6					
BioRad PATHFINDER Rotavirus	4					

# RSV Direct Antigen Proficiency Testing Panel

## RSV Scoring Analysis: 145\* Laboratories in category

Sample #	1251	1252	1253	1254	1255
Sample Identification	RSV	RSV	RSV	RSV	No virus
Titer (TCID <sub>50</sub> ) Log 10 per ml	2.7	2.7	2.7	2.7	0
Laboratories Scoring 100%	144	144	143	143	144

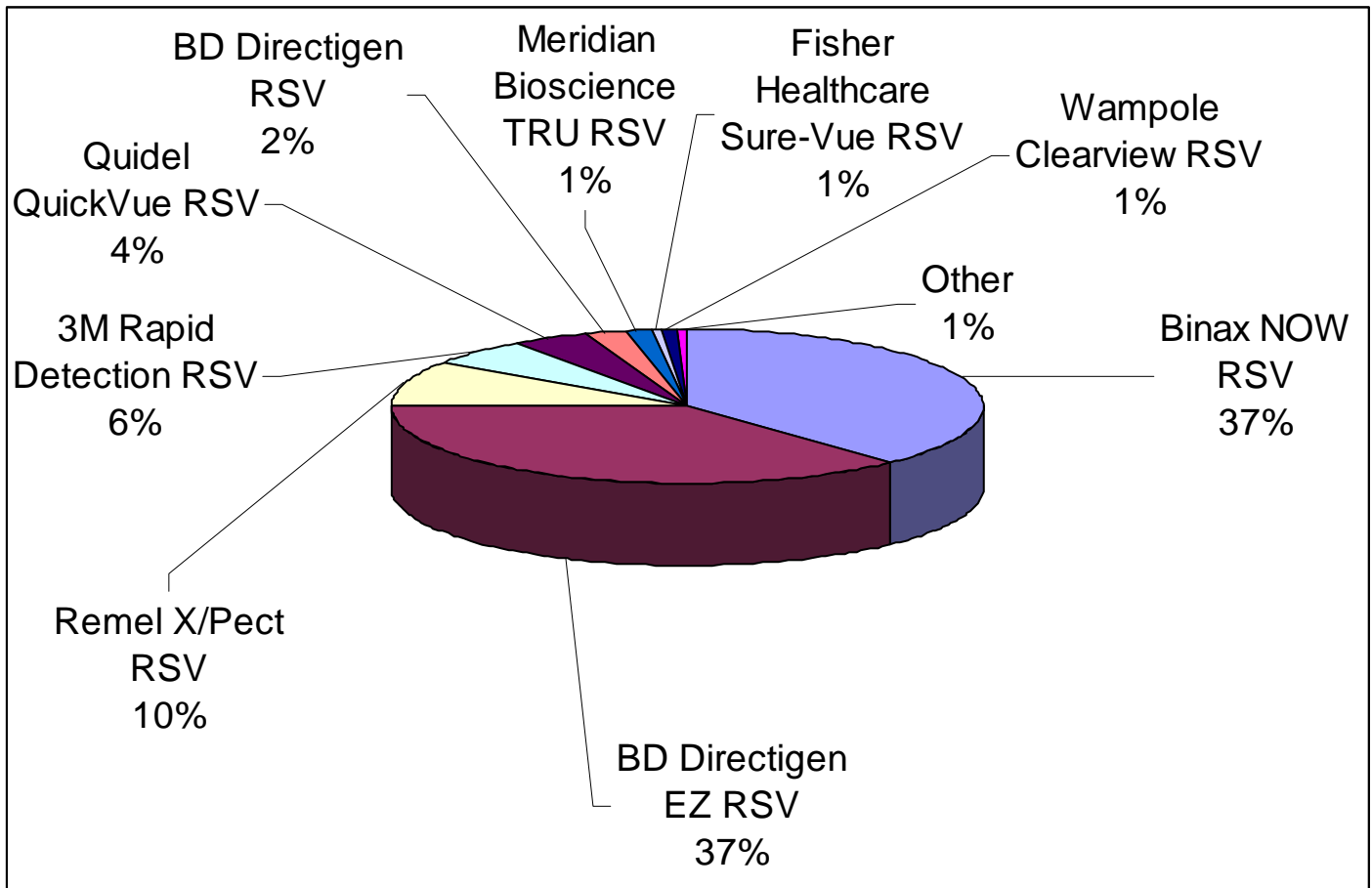
\* One participant scored 0% due to "Failure to submit results."

## RSV Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	142	2	0	0	0	1*

\*One participant scored 0% due to "Failure to submit results."

## RSV Kits Used by Participating Laboratories



## RSV Scores by Test Kit

Test Kit/Method	# of labs and associated score*					
	100%	80%	60%	40%	20%	0%
Binax NOW RSV	54	1				
BD Directigen EZ RSV	54					
Remel X/Pect RSV	14					
3M Rapid Detection RSV	7	1				
Quidel QuickVue RSV	6					
BD Directigen RSV	3					
Meridian Bioscience TRU RSV	2					
Fisher Healthcare Sure-Vue RSV	1					
Wampole Clearview RSV	1					
Other	1					

\*This chart does not include one participant that scored 0% due to "Failure to submit results."

# Influenza Direct Antigen Proficiency Testing Panel

## Influenza Scoring Analysis: 227\* Laboratories in category

Sample #	1256	1257	1258	1259	1260
Sample Identification	No virus	Influenza virus, type A	Influenza virus, type A	Influenza virus, type B	Influenza virus, type B
Titer (TCID <sub>50</sub> ) Log 10 per ml	0	1.7	2.2	3.3	2.3
Laboratories Scoring 100%	225	224	225	224	224

\*This chart does not include two participants that scored 0% due to "Failure to submit results."

## CDC Characterization

Sample 1257: Influenza A: A/BRISBANE/59/2007-LIKE (H1N1)

Sample 1258: Influenza A: A/BRISBANE/59/2007-LIKE (H3N2)

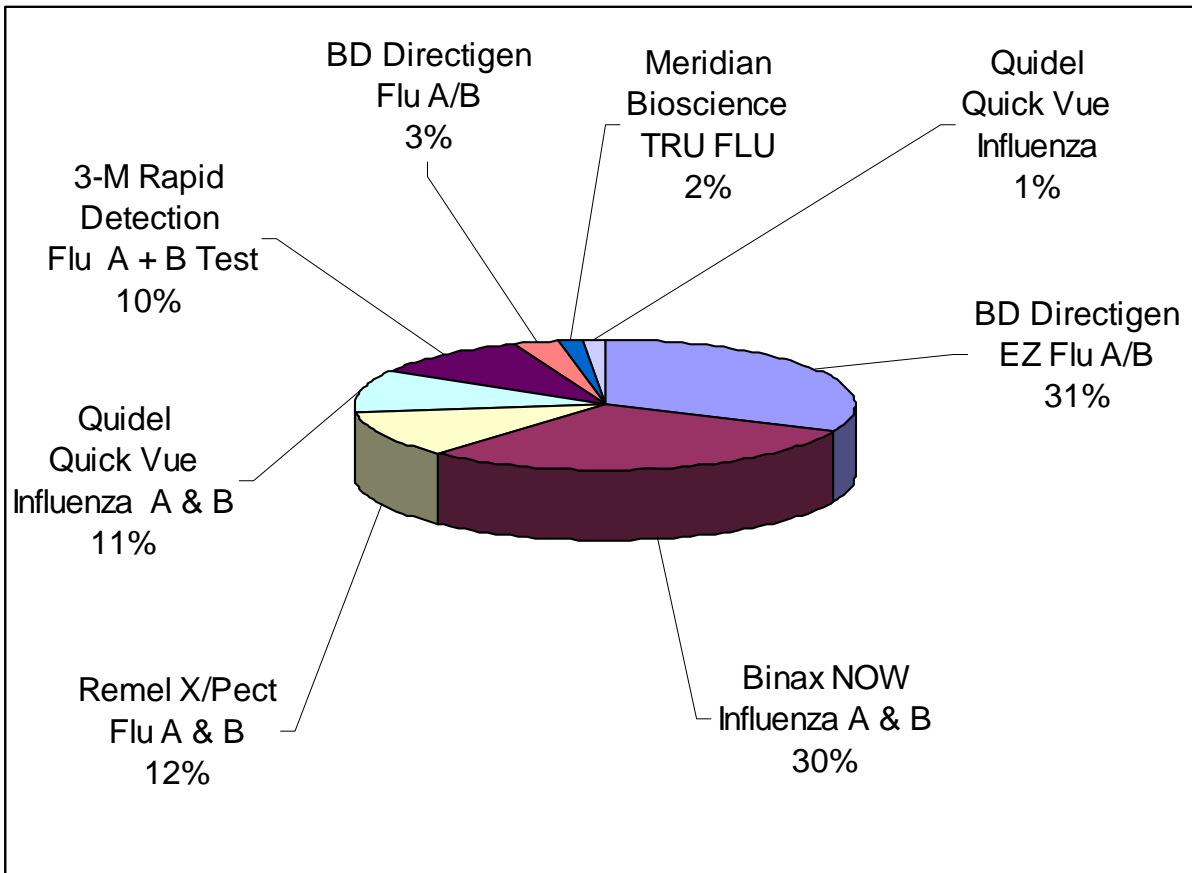
Samples 1259 and 1260: Influenza B: CDC unable to characterize due to overwhelming requests in late 2009

## Influenza Grade Distribution

Total Score For Panel	100%	80%	60%	40%	20%	0%
Participating Laboratories	223	1	1	0	0	2*

Two participants scored 0% due to "Failure to submit results."

## Influenza Virus Kits Used by Participating Laboratories



Influenza Test Kit/Method	# of labs and associated score*					
	100%	80%	60%	40%	20%	0%
BD Directigen EZ Flu A/B	71					
Binax NOW Influenza A & B	68					
Remel X/Pect Flu A & B	25	1				
Quidel Quick Vue Influenza A & B	24					
3-M Rapid Detection Flu A + B Test	22		1			
BD Directigen Flu A/B	6					
Meridian Bioscience TRU FLU	4					
Quidel Quick Vue Influenza	3					

\*This chart does not include two participants that scored 0% due to "Failure to submit results."

## Notes:

- Carefully select the correct Test Specificity for the test kit you are using. Influenza Direct Antigen Detection participants **MUST** enter responses in the *Test Specificity* and *Test Method (kit)* fields on the reporting page. You are responsible for selecting the correct test specificity for the test kit you are using. **In this category, scoring is linked between test specificity and answer choice. Therefore, it is imperative that this field is filled in correctly or scoring for your laboratory will be adversely affected.**
- 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.

## 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.**