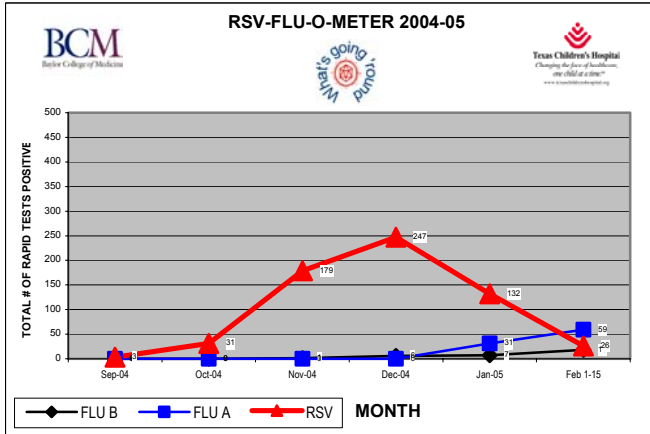




In January RSV, Influenza A & B and Adenovirus were the most common viruses isolated. However, Enterovirus, rhinovirus and all four types of parainfluenza were also detected. Stay tuned to the RSV-FLU-O-METER for the latest updates!

[http://www.bcm.tmc.edu/pedi/infect/dvl/newsletter/RSV-FLU-O-METER\(combined\).pdf](http://www.bcm.tmc.edu/pedi/infect/dvl/newsletter/RSV-FLU-O-METER(combined).pdf)

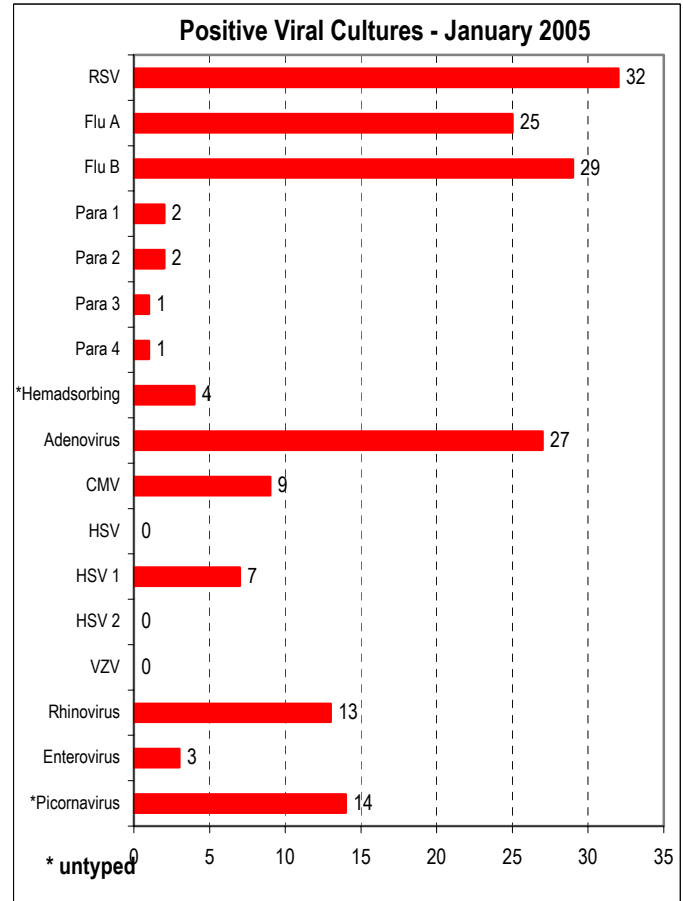


As promised here is RSV Rapid Test Update:

The performance of the rapid RSV test kit currently used in our laboratory was compared to cell culture in 1,299 nasal wash specimens received September – December 2004, showed sensitive 85.4% and specificity 86.3%. There were 16 false negative test and 163 false positive tests. Since the test detects both viable and non-viable, false positive results are not unusual, false negative can occur when the amount of virus in the sample is low. 27 weak positive test results showed 19 of the 27 (70.4%) did not grow RSV and were considered false positives. If weak positives test results were eliminated from analysis, sensitivity (84.3%) and specificity (87.7%) were unchanged. Also sensitivity overall of the rapid test is better than last year's performance (sensitivity 70%, specificity 94%). Only a very small number of serially collected samples on the same patient were noted to have variable results. Clinicians should be familiar with the performance characteristic of rapid viral test and, in real life the test performance may vary from culture. We will continue to monitor the performance of all rapid tests and compare them to the reference standard of culture.

Gail J. Demmler, M.D., Director
Diagnostic Virology Laboratory
(832) 824-2280 Telephone
(832) 825-2283 Fax
gdemmler@bcm.tmc.edu

Visit our website for weekly updates @:
www.bcm.tmc.edu/pedi/infect/dvl



Viral Cultures – January 2005

Total all	1184	Total Resp.	980
Positive	169	Positive	169
% Positive	14	% Positive	17

EIA Rapid Test Results – January 2005

	RSV	FLU A	FLU B
Tested	851	860	860
Positive	133	31	7
% Positive	16	4	0