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Letters to the Editor

Comparison of two multiplex PCR techniques for the study of respiratory viruses in Mexican children with pneumonia

Comparación de dos técnicas de PCR multiplex para el estudio de virus respiratorios en niñ...
Table 1
Positivity and agreement for each virus detected by Anyplex RV16 and xTAG RVP in nasal washes of children with pneumonia.

| Virus                | Subtype | Positivity for each virus by both methods | Percentage of agreement between both methods and kappa coefficient |
|----------------------|---------|----------------------------------------|-----------------------------------------------------------------|
|                      |         | Anypelix RV16 n (%) | xTAG RVP n (%) | p       | No. of tests | % Agreement (95% CI) | Kappa coefficient (95% CI) |
| Respiratory syncytial virus A | 153 (41.2) | 98 (32.9) | 0.007 | 4 | 59 | 94 | 153 | 79.68% | 50.20% | 0.592 (0.50–0.67) |
| Rhinovirus/enterovirus B   | 5 (1.4) | 8 (2.7) | 0.25 | 4 | 1 | 4 | 301 | 98.06% | 98.30% | 0.608 (0.29–0.92) |
| Influenza C               | 19 (5.4) | 11 (3.7) | 0.31 | 4 | 12 | 7 | 287 | 94.84% | 93.80% | 0.442 (0.21–0.66) |
| Metapneumovirus D         | 3 (0.8) | 3 (0.9) | 1 | 0 | 0 | 1 | 307 | 100.00% | 99.00% | 1.000 (1.00–1.00) |
| Adenovirus E             | 10 (2.8) | 20 (6.7) | 0.02 | 10 | 0 | 10 | 290 | 91.29% | 96.77% | 0.652 (0.45–0.85) |
| Coronavirus F           | 39 (11.0) | 12 (4.0) | 0.0009 | 0 | 27 | 12 | 271 | 96.77% | 87.41% | 0.437 (0.26–0.60) |
| Parainfluenza G*         | 6 (1.7) | 6 (2.0) | 0.76 | 4 | 4 | 2 | 300 | 97.42% | 98.06% | 0.320 (0.02–0.66) |
| Human bocavirus H*       | 9 (2.5) | 9 (3.0) | 0.71 | 2 | 2 | 7 | 299 | 98.39% | 97.09% | 0.771 (0.55–0.98) |
| Total virus detected     | 14 (4.0) | ND* | 0.91 | 0 | 5 | 2 | 303 | 98.71% | 97.74% | 0.439 (0.03–0.84) |
| Total samples with co-infection | 354 | 298 | The total number of viruses detected include co-infections |

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