



Comparison of Turnaround Time (TAT) and Time to Oseltamivir Discontinuation between Two Respiratory Viral Panel Testing (RVP) Methodologies.

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This study compared the turnaround time (TAT) for testing performed using the FilmArray® Respiratory Panel (RP) with the TAT for Luminex xTAG RVP, and determined the time to discontinuation of empiric oseltamivir among patients testing negative for influenza using each panel.

A total of 230 assays were run using the Luminex xTAG RVP, with an average TAT of 46.4 hours. A total of 872 assays were run using the FilmArray® RP, with an average TAT of 3.1 hours.

The average time to discontinuation of empiric oseltamivir for patients with negative test results for influenza was 4 days for the Luminex xTAG RVP and 2 days for the FilmArray® RP. The reduction in average time to discontinuation of oseltamivir resulted in cost savings of approximately \$34.16 per patient.

“This analysis shows the benefit of rapid diagnostic with a shortened TAT on the optimization of antimicrobial therapy and utilization of healthcare resources by facilitating timely de-escalation of empiric antiviral therapy.”

KEY POINTS

- The FilmArray® Respiratory Panel (RP) decreased the average time to discontinuation of oseltamivir by 50% when compared to the Luminex xTAG RVP, resulting in cost savings.
- The FilmArray® RP helps physicians treat patients more effectively.
- The ease of use of FilmArray® RP panel enables tests to be run 24/7, optimizing lab workflow and resources used.