



KEY WORDS

- ✓ RSV
- ✓ Influenza A
- ✓ Influenza B
- ✓ Molecular epidemiology
- ✓ Kit

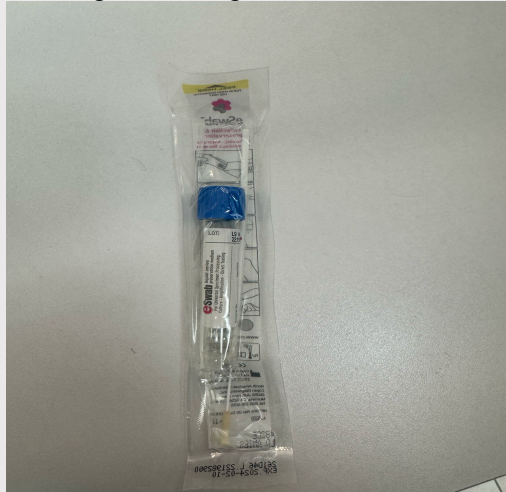
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COMPARISON OF INFLUENZA AND RSV TEST RESULTS WITH BIOFIRE RESPIRATORY AGENTS MULTIPLEX PCR TEST (22 AGENTS) AND BD MAX RESPIRATORY VIRAL PANEL (3-PART RESPIRATORY PANEL) KITS: A RETROSPECTIVE STUDY

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GRADUATION DATE: 23.06.2025

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THESIS ABSTRACT

RSV (Respiratory Syncytial Virus) is an enveloped, single-stranded negative RNA virus belonging to the Pneumoviridae family. It has types A and B and is transmitted by droplets. It is one of the most common lower respiratory tract infections in childhood; almost every child is infected by the age of three. Its symptoms include runny nose, cough, fever, wheezing and shortness of breath. The risk is higher especially in premature babies and individuals with chronic diseases or immune problems. A monoclonal antibody called palivizumab is used for protection. Influenza (Flu) is a contagious respiratory disease caused by negative-sense single-stranded RNA viruses from the Orthomyxoviridae family. There are four types: A, B, C and D. The virus is transmitted through close contact with infected people via droplets. This study aimed to compare RSV, Influenza A and B in nasopharyngeal swab samples sent to the Polymerase Chain Reaction (PCR) laboratory of the Department of Medical Microbiology, Bursa Uludağ University, using the BioFire Respiratory Tract Agents Multiplex PCR Test and the BD Max Respiratory Viral Panel kits. In addition, molecular subtyping of these agents, seasonal distributions, and age and gender relationships were evaluated.

APPLICATION AREAS OF THE THESIS RESULTS

These are kits that can be used in laboratories.

ACADEMIC ACTIVITIES

PUBLISHED AS AN ORAL PRESENTATION AT THE 12TH NATIONAL MOLECULAR AND DIAGNOSTIC MICROBIOLOGY CONGRESS.R AND DIAGNOSTIC MICROBIOLOGY CONGRESS.