

Evaluation of nine serological rapid tests for detection of SARS-CoV-2 in Colombia.

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Abstract

As an emergent virus, serological testing for SARS-Cov-2 is crucial. Even though the detection of the virus has been based by using RT-PCR, the serological tests for antibody detection are also need. This study evaluated nine SARS-CoV-2 IgM/IgG commercial rapid tests. Methods: a cross-sectional study of diagnosis test was designed to compare the performance of the evaluated immunochromatographic tests for the diagnosis of SARS-CoV-2. It was used a total of 293 samples including negatives, asymptomatic and symptomatic serum samples. Results: the sensibility of the evaluated tests were low and moderate in the groups of asymptomatic serum samples and in the group of serums coming from patients with less than 11 days since the symptoms onset. Conclusion: The usefulness of these tests is restricted to symptomatic patients and their sensitivity is greater than 85% after 11 days from the appearance of symptoms.

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