

عنوان مقاله:

Diagnosis of Brucellosis Disease in Blood Samples of Patients Suspected to Brucellosis in Kerman city by Real-Time PCR method

محل انتشار:

بیستمین کنگره بین المللی میکروب شناسی ایران (سال: 1398)

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خلاصه مقاله:

Introduction and objectives: Brucellosis is a common disease among human and animals which is transmitted to human from animals. Diagnosis of this disease is possible in laboratory through cultivating bacteria, serology, molecular methods, each having their own advantages and flaws. Materials and methods: Regarding the high sensitivity of Real-time PCR method and several reports insisting on the use of molecular methods together with other testing methods, in this study we use Real-time PCR tests and Rose Bengal tests to diagnose the disease in most suspected human samples. So, 100 blood samples and serums were taken from abattoir staff and people returning to medical laboratories to diagnose this disease and the mentioned tests were done for them. Results: The results coming back showed 39 ones with positive Rose Bengal test and 54 ones with positive Real-time PCR tests. Conclusion: Based on the results, we can conclude that reliability of Real-Time PCR test is more than Rose Bengal .test to diagnose the disease

کلمات کلیدی:

Real-Time PCR, Rose Bengal, human, Brucellosis, Kerman

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