

## عنوان مقاله:

Detection of *Coxiella burnetii* in bulk tank milk in dairy cattle farm of Kerman by nested-trans PCR

## محل انتشار:

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

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## خلاصه مقاله:

Introduction and objectives: Q fever is a zoonotic disease caused by *Coxiella burnetii* that considered a public health problem in different societies. Cattle, sheep and goats are the major reservoirs of this disease; infected animals excrete the bacteria in milk. An effective and rapid method for diagnosis of *C. burnetii* is nested-trans PCR method. The aim of this study was determination of *C. burnetii* in Bulk Tank Milk (BTM) samples from Kerman dairy cattle herds. Materials and methods: In this study, 48 BTM samples including 4200 industrial and semi industrial dairy cattle was collected. DNA was extracted using a commercial kit and, then, examined by nested-trans PCR method for the presence of *C. burnetii*. Results: Six of 48 samples (12.5%) were positive. Given the importance of the bacteria in economy of livestock and public health, its rapid and accurate diagnosis is highly important. Conclusion: Results of this study showed that the cattle milk can be a potential reservoir of *C. burnetii* in southeastern Iran.

## کلمات کلیدی:

*C. burnetii*, PCR, milk, Kerman

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/987317>

