

## عنوان مقاله:

Molecular Detection of Bovine Leukocytic Anaplasma Species in Isfahan, Iran

## محل انتشار:

مجله تحقیق در پزشکی مولکولی، دوره 4، شماره 2 (سال: 1395)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Background: *A. bovis* and *A. phagocytophilum* are leukocytotropic agents of bovine anaplasmosis. They are obligate intracellular bacteria that can infect and cause Anaplasmosis in human and animals. Therefore, this study was carried out to detect *A. bovis* and *A. phagocytophilum* in naturally infected dairy cattle in Isfahan using molecular techniques. Materials and Methods: In this study a total of ۲۰۹ blood samples were collected from cattle in central part of Iran (Isfahan). The presence of *A. bovis* and *A. phagocytophilum* were examined by species-specific nested polymerase chain reaction (nPCR) based on ۱۶S rRNA gene. Results: Out of the ۲۰۹ cattle examined, ۴ (۱.۹۹%) and ۲ (۱%) were found positive for *A. bovis* and *A. phagocytophilum* by nPCR, respectively. Conclusion: These data showed a relatively low prevalence of leukocytic Anaplasma infection in cattle in central part of Iran.

## کلمات کلیدی:

*A. bovis*, *A. phagocytophilum*, nested-PCR, ۱۶S rRNA gene, Iran

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1882025>

