

عنوان مقاله:

Isolation and identification of *Mycoplasma agalactiae* by culture and Polymerase Chain Reaction in Sheep and Goat Milk Samples in Kordestan province, Iran

محل انتشار:

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خلاصه مقاله:

Contagious agalactiae (C.A.) is one of the most common disease affecting small ruminants which is caused by *Mycoplasma agalactiae*. This disease is particularly widespread around the world and Iran is one of the countries that C.A. is present. The aim of this study was isolation and identification of *M. agalactiae* (MG) with culture and PCR technique in milk samples in Kordestan province, Iran. A total of ۳۶۷ milk samples were collected from sheep and goat. Specific published primers amplify a ۳۷۵ bp gene of MG were used for PCR. Twenty (۵.۵%) out of ۳۶۷ were positive in PPLO agar and ۵ (۲۵%) out of these isolates were positive with *Mycoplasma agalactiae* primers. Four (۷۵%) out of ۵ isolates was from sheep and ۱(۲۵%) from goat. Result of PCR with ۳۶۷ milk samples showed that ۱۱(۳%) of them were positive with these primers. The isolation of *M. agalactiae* showed that C.A is present in Kordestan province and our results suggested that PCR method because of reduces the time consuming could be an alternative method beside culture.

کلمات کلیدی:

Mycoplasma agalactiae, Culture, PCR, Sheep, Goat

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