سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها گواهی ثبت مقاله در سیویلیکا

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عنوان مقاله:

Molecular detection of the beta-lactamase Cefotaxime gene in Escherichia coli from the reproductive tract of Bali cattle with repeat breeder cases on

Lombok island

محل انتشار:

گفتمان پژوهش دامپزشكي, دوره 15, شماره 8 (سال: 1403)

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خلاصه مقاله:

This study aims to detect Escherichia coli which encodes beta-lactamase Cefotaxime (blaCTX-M) gene from the reproductive tract of Bali cattle with repeat breeder cases. This research was conducted from June to August Y·Y\ using \gamma Bali cattle with repeat breeder cases. The reproductive fluids were taken using a plastic sheet gun which was inserted into a Brain Heart Infusion medium, isolated in eosin-methylene blue agar (EMB) and identified using biochemical tests. Antibiotic susceptibility testing of E. coli was carried out using the disc diffusion method. Double-disk approximation test was used to screen the presence of E. coli which produces Extended-spectrum beta-lactamase. The polymerase chain reaction (PCR) method was used to detect the blaCTX-M gene of E. coli and sequences of the blaCTX-M gene were phylogenetically analyzed. The research results obtained three E. coli isolates from \gamma reproductive tract fluids of Bali cattle. Antibiotic sensitivity tests showed that \gamma \cdots \% of E. coli was resistant to penicillin G and oxytetracycline. \gamma \gam

كلمات كليدى:

Bali cattle, blaCTX-M, Escherichia coli, Repeat breeder

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