

SUMMARY

The Comparison of Different Selective Media into Isolation of *Brucella* spp from Cattle and Sheep Abortion

In this study, between the period of October 2012 and January 2013, abort material of 20 cattles, 68 sheeps, 9 goats and 2 buffalos with in totally 100 abort sample which were sent from region of Marmara to Pendik Veterinary Institute were investigated about the presence of *Brucella* bacteria. Abomasum content and homogenates from internal organs of the aborted fetuses were inoculated into Farrell's medium, modified Thayer Martin medium and CITA medium.

Suspicious colonies by *Brucella* spp.were observed in Farrell's Medium 34 (%34) times, in Modified Thayer Martin Medium 29 (%29) times and in CITA Medium 32 (%32) times , after inoculation of 100 abort sample.

Consequently, CITA medium should be evaluated as a beneficial tool for isolation of *Brucella* species which is a veterinary field sample. However, using CITA medium, Farrell's medium and modified Thayer Martin medium simultaneously, guarantee the best determination performance of first isolation of abort material.

Keywords: *Brucella* spp, cattle, buffalo, ship, goat, abortus, biotyping, CITA, Farrell's, modified Thayer Martin