

Characterization of brucella strains recovered from slaughtered cattle and sheep

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Summary

A total of 22 cattle and 13 sheep tissue specimens including Lymph nodes (retropharyngeal, prescapular, prefemoral, internal iliac and supramammary) as well as spleen) were collected from animals after slaughtering under the supervision of the veterinary authorities. These animals were classified as brucella infected according to test slaughter policy applied by the veterinary authorities. Blood serum samples were collected and reexamined using BABAT , RBPAT and CFT in Beni Suef governorate. *Brucella melitensis* biovar 3 was isolated from 11(50%) seropositive cows and 6(46.15%) ewes.

Key words: Brucellosis, Brucella melitensis biovar 3, Buffered acidified plate antigen test (BAPAT), Rose bengal test (RBT), Complement fixation test(CFT)