Abstract:

The prevalence of Enterobacter species in 300 hens’ eggs of poultry farms and farmers’ houses in Assiut and Quena cities, Egypt was determined. The 300 eggs representing 15 groups of either poultry farm or farmers’ houses eggs from each city. For each group of eggs, Enterobacter species was examined on egg shells and in contents. Regarding the shells of farm hens’ eggs, the incidence of Ent. spp. was 33.33 and 53.33%, while that of farmers’ houses hens’ eggs was 46.66 and 20% from Assiut and Quena cities, respectively. Whereas, Ent. spp. incidence in the content of farm hens’ eggs was 6.6 and 53.33% in Assiut and Quena cities, respectively. While that of farmers’ houses hens’ eggs was 46.66 of either city. The most prevalent isolated species was Ent. cloacae. The resistance of isolated strains to eight antibiotics was determined using the disc diffusion method, 25 isolates exhibited resistance to more than one antibiotic.

Keywords:

Enterobacter species, hens’ eggs, Antibiotic resistance

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