

SALMONELLOSIS IN AHWAZ POULTRY FARMS - SOUTHWEST OF IRAN

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ABSTRACT – The study was conducted to determine the occurrence of salmonellosis in dead chickens at necropsy in Ahwaz Razi Institute . A total of 493 samples(intestinal contents, liver and yolk sac) were collected from 93 Poultry farms in different areas of Ahwaz-Southwest of Iran for isolation of bacteria in different media. Identification was performed based on the staining, cultural and biochemical properties of *Salmonella* spp. ,during 15 months (2008-2009). 92 isolated *Salmonella* strains were confirmed by serological typing. A total of 29 poultry farms were infested with *Salmonella*. 92 isolates were identified as *Salmonella* (18.6%), and belong to 5 serotypes within 4 antigenic groups .The predominant serotypes in poultry over this period were *Salmonella entritidis* from D1 antigenic group (4.86%), *Salmonella* Newport from C2 antigenic group (7.5%), *Salmonella tythimurium* from B antigenic group (2.8%), *Salmonella paratyphi-B* from B antigenic group (0.6%) and *Salmonella rostock* from D antigenic group (2.8%) which are motile serovars of *Salmonella* as causative agents of salmonellosis (paratyphoid infection) were identified.

Keywords : Fowl typhoid, paratyphoid, isolation, identification, serology- *Salmonella*.