

PRESENCE OF SALMONELLA SPP., IN POULTRY FOR EGG PRODUCTION IN KOSOVO

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Abstract

Salmonella spp. are known as the most important salmonellae's appearance pathogens around the world. The aim of this research was to investigate the presence of Salmonella spp. in poultry for eggs production.

The study was conducted in poultry and private farms in the region of Suhareka, Prizren and Dragash, Kosovo. 300 samples of feces, eggs (whitened, vitelus and eggshell), and organs (liver, spleen, intestines and cloaca) were examined with standard method for detection of *Salmonella* spp.

We found that 27 of samples or 9% were confirmed to be *Salmonella* spp. total number of samples. The largest percentage of the total isolated strains was found in Prizeren region with 44.44%, 29.62%% in Suhareka, and 25.92% in Dragash. Regarding the type of sample and the total number of isolated strains in this study, the largest number of isolates was found in feces samples - 16 strains or 59.25%, while from the eggs were isolated 8 strains (29.62%), and from the organs 3 strains or 11.11%.

Increasing the percentage of *Salmonella* spp. presence in poultry and their products is often associated with the outbreak of Salmonella epidemics in animals and humans, and poultry and poultry farms are the main reservoir of infections. Poultry farming in region of Suhareka, Prizeren, Dragash and wider in Kosovo is developing quickly, especially in the production of eggs and poultry meat. Although the similar results are also found in other researches that have been done in other countries of the world, constant control of salmonella spp. will give indices about their geographical distribution, and the epidemiological, economic and health consequences.

Key words: Salmonella spp, Pathogens, Poultry, Serovars, strains.