

International Conference on

Abdulatif A Asheg et al., J Vet Res Med, Volume 05

ANIMAL SCIENCE AND VETERINARY MEDICINE

September 11, 2023 | Webinar

Received date: 31-07-2023 | Accepted Date: 03-08-2023 | Published Date: 16-10-2023

Investigation of the invasiveness of salmonellae isolated from layer hens and murine fecal pellets infesting poultry farms in Tripoli-Libya

Abdulatif A Asheg¹, Kaled Elmasry¹, Imad A Benlashehr¹ and Abdulwahab M Kammon¹

¹University of Tripoli, Libya

³National Research Center for Tropical and Transboundary Diseases, Alzintan, Libya

This study was to determine if there is a difference in virulence between the two Salmonella enteritidis isolates from both laying hens and murine fecal pellets infesting the same layer farm by quantitative measurement of invasiveness using in vivo chicken intestinal loop model. Samples were collected from both live birds and patches of murine fecal pellets that infest the same henhouse. The presence of Salmonella spp. in collected samples was assessed by performing the pre-enrichment and enrichment cultures followed by staining, biochemical tests, and serological identification.

The tested serotype demonstrated intracellular log10 counts was not significantly different from each other and from that of the reference strain only because of the allocation of intestinal loop position. This could explain the persistence of salmonella in poultry houses with the same capability of invasion restored from contaminated murine fecal pullets.

Recent Publications:

- 1. Abdulatif A. Asheg, Mohamed F. Otman, Imad A. Benlashehr, El-Forjani Kraim, Rabia A. Almashri, Abdulwahab M. Kammon: Prevalence of Salmonella in poultry slaughterhouses located in Tripoli, Libya. Open Vet J. 2023 May; 13(5): 638–644.
- 2. Effect of adding clove buds powder in feed on performance and jejunum morphology in broiler chickens: Siham M. Othman, Khaled M. Ben Naser, Ali H. Kanoun, Ali A. Salim, Bashir M. Sherif, Abdulatif A. Asheg. Open Veterinary Journal / Vol. 12 No. 6 (2022)
- 3. Abdulwahab Kammon1, Ali Almaeyoufi1 and Abdulatif Asheg: In Vitro Antimicrobial Activity of Clove Oil against Gram Negative Bacteria Isolated from Chickens. Appro Poult Dairy & Vet Sci 6(2):2019.
- 4. Abdulwahab Kammon, Samia Alzentani, Omar Tarhuni and Abdulatif Asheg: Effect of Some Organic Acids on Body Weight, Immunity and Cecal BacterialCount of Chicken during Heat Stress. Int. J. Poult. Sci., 18 (6): 293-300, 2019.
- 5. A.A. Asheg, S.M. ELNyhom, K.M. BeNaser, A.H. Kanoun, Y.M. abouzeed Effect of Arbutus pavarii, Salvia officinalis and Zizyphus Vulgaris on growth performance and intestinal bacterial count of broiler chickens. International Journal of Veterinary Science and Medicine., 2 (2):151-155, 2014.

Biography

Abdulatif Asheg is currently a professor of Poultry Diseases at the College of Veterinary Medicine. Abdulatif has been teaching poultry diseases for more than 20 years. During that period, he was also assigned postgraduate studies in the department and supervising postgraduate students. He also had a role in several committees for developing special scientific programs. Postgraduate studies and accreditation of the quality of education.

A.asheg@uot.edu.ly