

Pathogenic Bacteria Associated with Respiratory Disease in Poultry with Reference to *Pasteurella multocida*

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Abstract :

In this study, lung samples of chickens slaughtered at abattoir in Jos South, Nigeria were tested for the presence of *Pasteurella multocida* and other aerobic bacteria. The identity of *P. multocida* was proved by mouse pathogenicity test. A total of 3000 chickens were examined at post-mortem and 500 samples with pneumonia were collected. All lungs and heart blood from 15 different commercially reared chicken flocks showed respiratory disorders. Blood agar supplemented with 10% sheep blood was used for isolation of the agents. 32 (6.5%) *P. multocida* were isolated and identified. In addition, mouse pathogenicity test was carried out on *P. multocida* suspected isolates. Twelve (75%) of Isolates were all positive. This study showed that *P. multocida* is not the most prevalent bacterial infection among chicken population in Jos south.

Key Word :

P. multocida, mouse pathogenicity test, chicken, lung, heart blood

Volume 7, Number 7, - 2008, ISSN 1682-8356