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Antibiotic sensitivity profile of e. Coli isolates from poultry flocks

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In **Significant Impact Groups:**

AMU reduction strategies \ Monitoring and surveillance

Species targeted: Poultry;

Age: Not stated;

Summary:

Aim of this study was to determine of the antimicrobial resistance of Escherichia coli strains from flocks belonging to a unit integrated consumer egg production. For that purpose, E. coli strains isolated from colibacillosis outbreaks or obtained by routine surveillance were tested for antibiotic susceptibility. Samples were divided into four categories: breeding of light breeds, incubation, youth and laying hens. Isolated strains were resistant to spectinomicin, flumequin, erythromycin, trimethoprim, oxytetracycline, ampicillin, amoxicillin, enrofloxacin, doxicillin and sensitive to fosfomycin +tylosin, ceftiofur, lincomycin + spectinomycin, colistin, gentamycin, florfenicol and neomycin. As a conclusion, even though antibiotics are used to a lesser extent in chicken flocks for egg consumption compared to poultry meat production, this study found the resistance of E. coli strains to different antibiotics and multi-drug resistant strains were identified as well.

Where to find the original material:

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