



## Effects of Antibacterials combination on *Escherichia coli* in broiler

### Abstract

Using 75 male broilers chicks . 60 birds were experimentally infected with strain of *Escherichia coli* by injecting a suspension of trypticase soya agar in the posterior thoracic air sac at 21 day of age, each group 15 chicks .

Group one treated with mixture of half therapeutic level of ciprofloxacin as primary drugs plus either half of amoxicillin in drinking water , while other two similar groups were treated by mixture of half therapeutic level of ciprofloxacin either plus of oxytetracycline or furaltadone. Fourth the infected group was left with out treatment while a non infected non treated group was used as negative control .

Parameters of feed consumption , weight gain, feed conversion and air sac lesions index .

The results indicate significant differences between experiments groups .

The closer to the control group was the ciprofloxacin plus oxytetracycline group indicating synergistic effect followed by the ciprofloxacin plus of amoxicillin group, while the group of ciprofloxacin plus furatadone was closer to the non treated group indicating antagonistic effect