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## Effectiveness of the plant extract and 3-hydroxy-3-methylbutyric acid in feeding broilers

### S u m m a r y

The experiment included 450 COBB 500 broiler chickens which were assigned to three groups according to the type of growth stimulant in feed. During rearing body weigh, feed consumption 1 kg/kg gain, mortality of broilers was recorded and amount of lactic acid bacteria and *Clostridium perfringens* in content of small intestine was defined. The obtained results show that broilers were fed with added extract R (cynamone aldehyd, carvacrol, capsaicin) and extract K (3-hydroxy-3-methylbutyric acid) had better results of production in comparison with the group I (without the growth stimulant) and group II (extract R). The highest body weight and the lowest mortality in the group III shows that extract R+K is more effective than addition of extract R. The positive, stimulating influence of extract R on intestinal microflora as well as the increase of lactic acid bacteria limiting pathogenic microorganisms was found.