

兽医—研究报告

合生素对肉用鹌鹑免疫功能和肠道菌群的影响

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摘要:

摘要: 本试验旨在研究日粮中添加合生素对肉用鹌鹑免疫功能和肠道菌群的影响。将120只1日龄法国莎维麦脱肉鹌鹑随机分为对照组和合生素组, 每组60只。对照组饲喂基础日粮, 合生素组在基础日粮中添加0.05%合生素试验期35天。结果表明, 合生素显著提高肉用鹌鹑明显提高了免疫器官指数、ND抗体水平和E-玫瑰花环的转化率, 且28~35日龄差异显著 (P<0.05); 明显的降低了空肠大肠杆菌和沙门氏菌的数量 (P<0.05), 提高了乳酸杆菌的数量 (P<0.05)。

关键词: 肠道菌群

Effects of Synbiotics on Immune function and Intestinal microflora of Meat-type Quails

Abstract:

Abstract: The objective of this experiment was to study the effects of dietary synbiotics on immune function of meat-type quails. One hundred and twenty one-day-old meat-type quails were allocated to control group and symbiotics group. 60 meat-quails in each group. Control group fed with basal diet, the other was experimental group fed with basal diet supplemented 0.05% synbiotics. The experiment period is 35 days. The results showed that synbiotics increased significantly immune organ indexes, antibody level against ND and E-rosette formation rate, significant difference in 28~35-day-old. Supplementation of synbiotics decreased significantly the of Escherichia coli and Salmonella (P<0.05), but increased obviously the numbers of Lactobacillus in the jejunum of meat quails(P<0.05).

Keywords: Intestinal microflora

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