THE EFFECT OF PROBIOTIC YEASTURE ON THE GROWTH, MICROFLORA OF THE DIGESTIVE SYSTEM AND HEALTH OF NEONATE CALVES

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Summary. The present study was designed to assess the effect of probiotic “Yeasture” on growth, composition of gastrointestinal microflora and blood parameters in newborn calves. The experiment comprised 16 newborn calves - 2 groups (experimental and control groups) of 8 calves in each. The animals after birth were placed in individual cages and fed milk (control group) and milk supplemented with 5 g/per day of probiotic preparation “Yeasture” (experimental group) for 10 days. The results showed that probiotic Yeasture in experimental group significantly increased the average daily weight gains compared to control group (P<0.05). There were no significant differences in the hematological indicators of blood between two groups. In addition, the supplementation with probiotic increased by 0.12 log/g the total amount of lactobacillus in faeces of experimental calves and had no influence on the count of enterobacteria.

Keywords: calves, Yeasture, daily weight gain, hematological indicators, lactobacillus, enterobacteria.