

## 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 on 43 g (8.9 %) 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.