

The effect of lactobacilli on the immune system of rabbits.

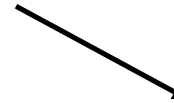
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- Two strains of *L. reuteri* were used in the experiment.
- The strains *Lactobacillus reuteri* 395 and *Lactobacillus reuteri* 298. The strains were isolated from the intestines of healthy calves, identified by 16S RNA, and deposited in the RNCM.
- The strains have high antagonistic activity against opportunistic microorganisms of the gastrointestinal tract, are resistant to a wide range of antibiotics, and are safe for warm-blooded animals

Scheme of the experiment

The experiment was conducted on rabbits of the California breed. There were 10 rabbits of 3 months of age in the group - 5 males and 5 females. The duration of the experiment was 30 days



control group

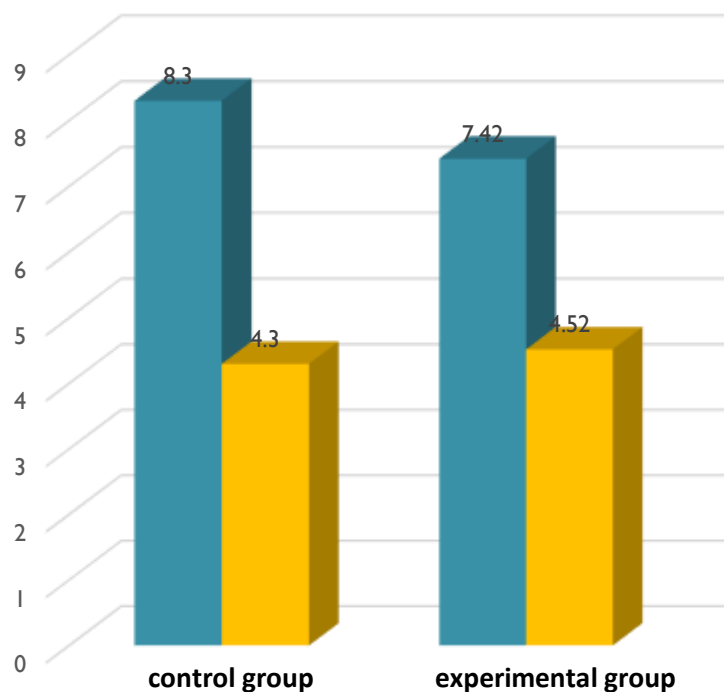
**basic diet
(150 g of mixed grass hay
and 200 g of full-grain
pellets)**

experimental group

**basic diet
+
L. reuteri 25 and *L. reuteri* 395 (mixed 1:1)
1 g/head
CFU in 1 g was 10^{10}**

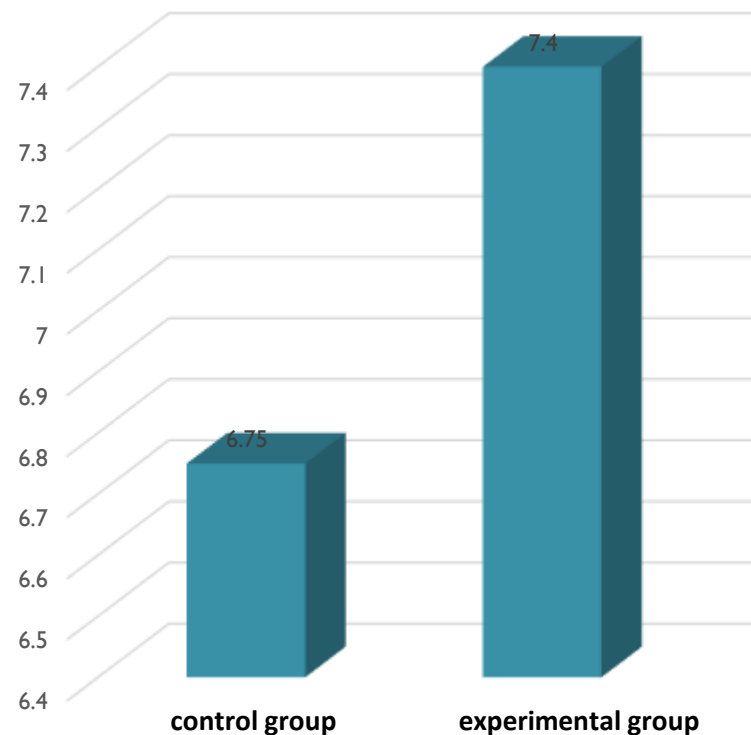
Hematological parameters of rabbits

The content of leukocytes and lymphocytes, $10^9/L$



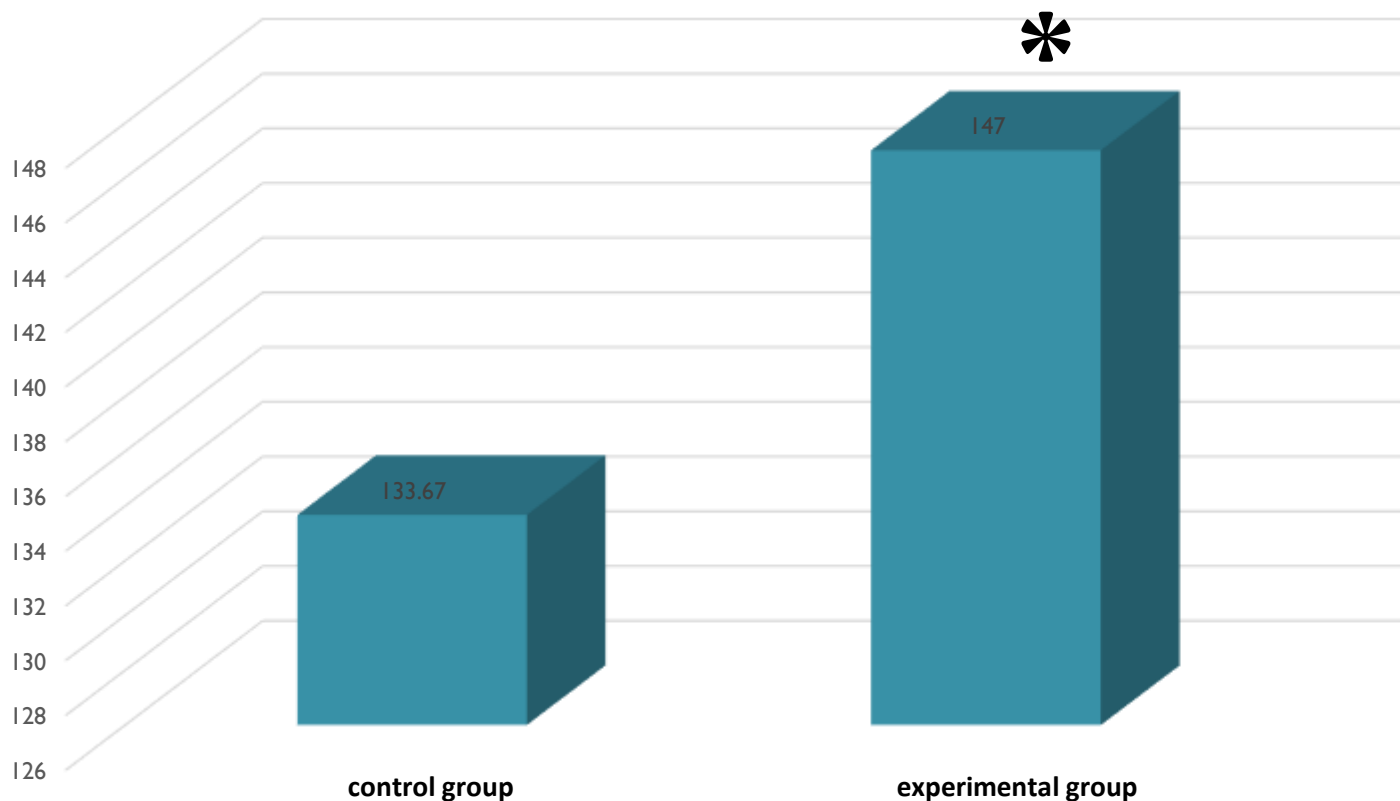
■ leukocytes ■ lymphocytes

The content of red blood cells, $10^{12}/L$



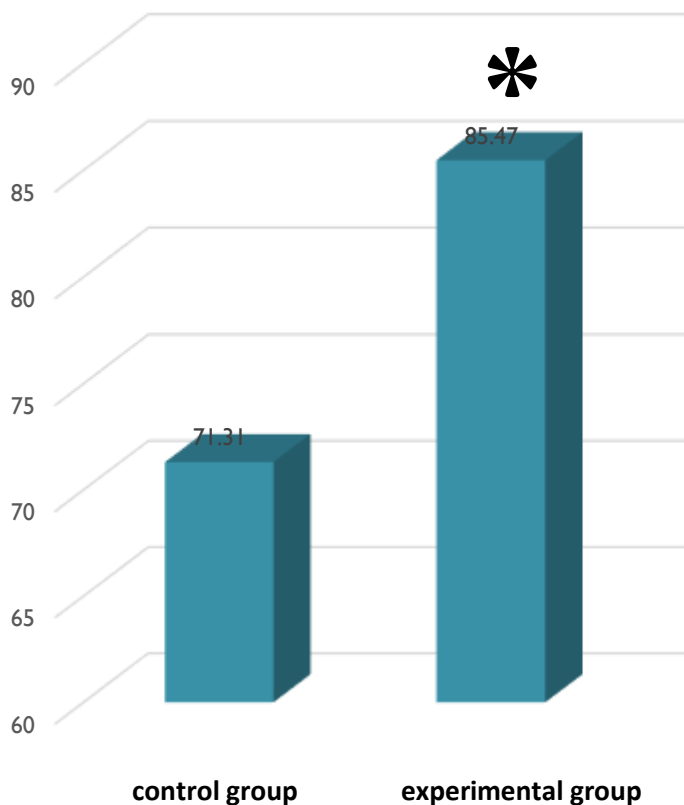
Hematological parameters of rabbits

Hemoglobin content, g/L

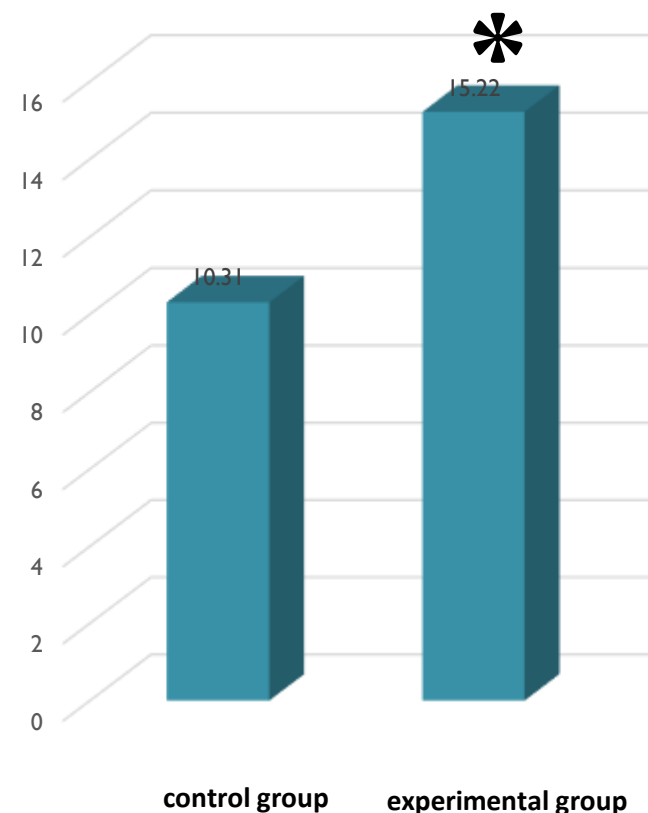


Indicators of nonspecific resistance

Phagocytic index

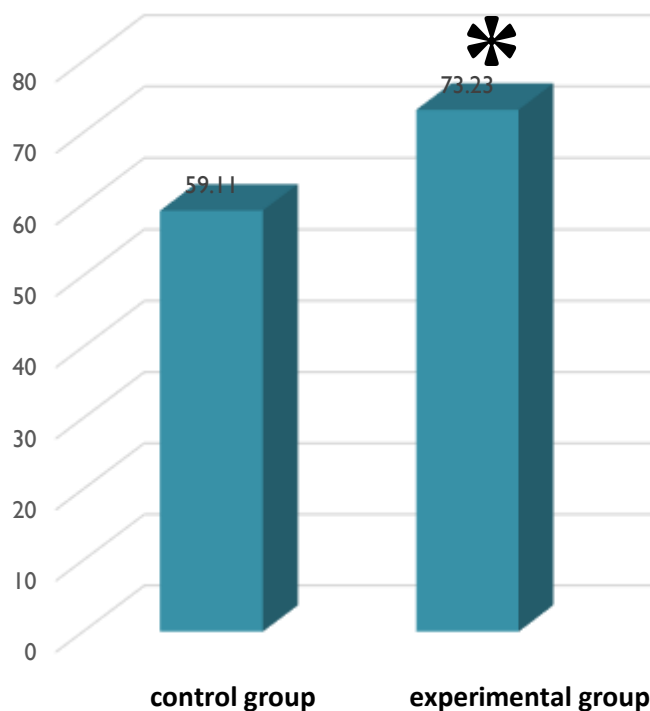


Phagocytic number

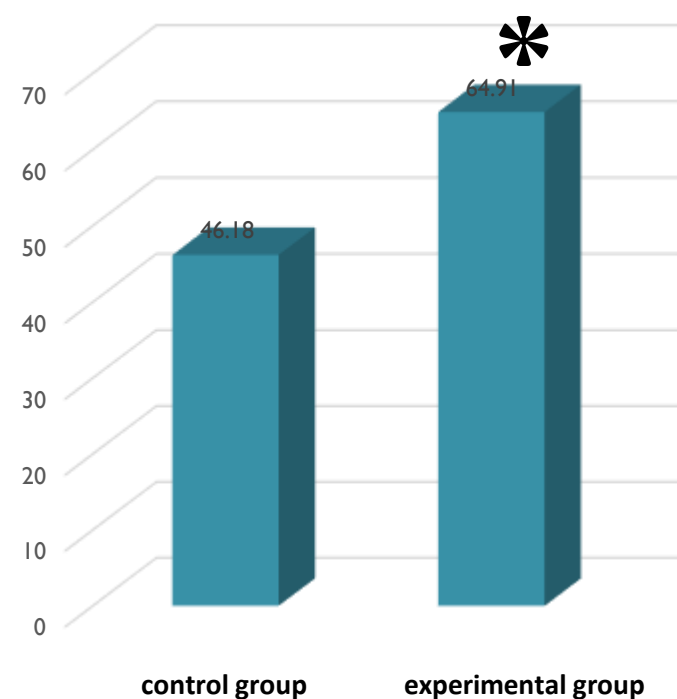


Indicators of nonspecific resistance

**Bactericidal
activity of blood
serum, %**



**The content of
lysozyme in blood
serum, mcg/ml**





Thank you for
your attention!