

## **POLYCARB UZ - STUDYING THE EFFECT OF THE DRUG ON THE GROWTH AND DEVELOPMENT OF CALVES**

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**Annotation:** The effect of Polycarb on the growth and development of calves in Beshbola farm of Pastrodgom district of Samarkand region was determined.

**Keywords:** Polycarb Uz, calf, growth, development, group, live weight, parasite, innovative, drug.

Relevance of the topic. An important task in the development of animal husbandry is the observance of the rules of storage and feeding of livestock, the development of innovative measures for the prevention and treatment of blood-borne parasitic diseases that cause economic damage to livestock, as well as the implementation of veterinary practice. Research materials and methods. Experiments to study the effect of polycarb on the daily growth of calves were conducted on 6 head calves aged 8-10 months, available at Beshbola farm, Pastrodgom district. On March 5, 2019, the experimental black cattle were divided into 2 groups of 3 heads in each group. Experimental calves were numbered and group 1 (experimental) cattle were treated with 15 ml of polycarb-Uz per 100 kg of live weight, and control group calves were not treated with the drug.

Results of the study: studying the effect of the drug Polycarb Uz on the body of calves allocated for the experiment, on the growth of calf and development indicators were determined by weighing 15 days before and 30 days after drug administration. The results obtained are presented in Table 1 below.

Table 1. The results of studying of the effect of polycarb on the growth of calf

group	How to use the drug	Real weight before drug use(kg)	15 days after administrating drug	30 days after using preparation
experience	From 15 ml per 100 kg	115± 3,0	123,6±4,4	132,6±4,7
control	The drug was not used	121±5,0	127,3±1,7	137±2,0

Thus, studies have shown that the recommended amount of polycarb-Uz has absolutely no effect on the daily growth and general condition of calves.

### Studying the effect of polycarb on hematopoiesis

In order to determine the effect of polycarb-Uz drug on hematopoiesis used in the prevention of piroplasmidosis in cattle, experiments were performed under experimental conditions in cattle from 3 to 2 groups in each group. Polycarb-Uz drug was used at the rate of 5.0 ml per 100 kg live weight of 1 group of black cattle in the experiment. 2 - the drug was not used in the control group.

Hematological examinations were performed once a week with blood before and after administration of the drug in experimental and controlled black cattle. The number of erythrocytes and leukocytes was determined in the Goryaev chamber and the amount of hemoglobin in the Sali hemometer. According to the results of the study, the initial amount of erythrocytes was 6.80-7.20 million /  $\mu$ l, the amount of leukocytes was 8.2-8.8 thousand /  $\mu$ l and the amount of hemoglobin was 8.4%. At 9.0 g / l, the initial values were maintained for 15 days in both group 1 and unused group 2 animals.

Table 2. Polycarb-Uz -results of the studying of the effect of the drug on hematological parameters

group	Dosage of the drug	Checked days	Hematological indicators		
			Erythrocyte, ml / mkl	Leukocyte ming / mkl	Hemogobin g / l
Experience 1	Polycarb-Uz drug was used in 5.0 ml per 100 kg which is real weight	Before using the drug	7,20+-02	8,4+-01	9,0+-01
		3 days after using preparation	7,00+-01	8,2+-02	8,8+-02
		6 days after using preparation	7,40+-01	8,8+-02	8,4+-01
		10 days after using preparation	7,20+-01	8,2+-01	8,8+-02
		15 days after using preparation	6,80+-01	8,8+-02	8,6+-02
Experience 2	Препарат қўлланил-мади	Before using preparation	7,00+-01	8,4+-02	8,8+-02
		In the 3 <sup>rd</sup> day	7,20+-01	8,8+-02	8,6+-02
		6 <sup>th</sup> day	6,90+-01	8,4+-02	8,6+-03
		10 <sup>th</sup> day	7,20+-02	8,6+-01	8,4+-02
		15 <sup>th</sup> day	7,60+-02	8,9+-03	8,6+-01

Thus, studies have shown that polycarb-Uz, used at 5.0 ml per 100 kg of live weight of cattle, does not affect the hematopoiesis of cattle.

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