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## **THE IMPORTANCE OF PHAGOCYTOSIS IN ASSESSING CELLULAR IMMUNITY AT LAMBS**

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### **Abstract**

The scientific research reflected in these investigations constituted the study of some immunological aspects of the immune defence mechanisms in various periods at lambs. As a result of the immunological investigation, various indices characteristic of phagocytic activity and intensity were revealed. It was found that the phagocytic activity in these periods of the lambs' life is primarily attributed to neutrophils, the rest being carried out by macrophages. At the same time, the investigations have demonstrated that the defence mechanisms of the investigated animals are not triggered enough to protect the aggression of microorganisms, viruses and other pathogenic agents. The results of the study determined that the regulation of the humoral or cellular immune response is a complex modulation process involving a series of means through which the body's specific defence is maintained at a certain level and with a certain duration, in order to achieve homeostasis and preserve health status.

**Key words:** Phagocytosis, Phagocytic activity, Phagocytic intensity, Macrophages.

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