

STUDY OF LEUCOCOLOSTRIN PREVENTIVE EFFICACY

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Summary. The preparation - leucocolostrin is made from BLV infected or sick cow colostrum.

The prophylactic activity of the preparation was examined in 4 groups, 6 calves in each. Haematological tests, proteins and their fractions, titres of antibodies were examined before and 1,3,5,7,10 days after administering the preparation, then every ten days.

After administering this preparation colostral antibodies against BLV appeared in the blood after one day. Testing by means of AGIDT (agar gel immunodiffusion test), they persisted in the blood for 10-90 days (average 54 days). In the calves that had been administered leucocolostrin the level of general proteins increased.

For the prevention purpose the preparation is administered to new-born calves within the first 24 hours after birth. A dose 0,8 of Leucocolostrin is administered per one/two times. This prevents 65 % of cattle from leucosis virus infection.