

# **THE TREATMENT of the SHEEP PLACENTA TISSUE PREPARATION as a METHOD to PREPARE LAMBS to WEANING**

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*The 2,5-month old November-born Ascanian Merino ewe lambs were used to investigate the effectiveness of application of the sheep placenta tissue preparation (triple injections of 1 ml/lamb with an interval of 3 days since 12 days prior to weaning) as a way to reduce the negative impact of the subsequent weaning. Weaning procedure led to a decrease in hemoglobin and total protein content and increase of leukocytes and erythrocytes in both the experimental and control animals on day 6 after weaning. Pretreatment of lambs with the tissue preparation increased the negative impact of weaning on the hemoglobin, but improves the total protein content, as well as the proportion of eosinocytes, segmented neutrophils and monocytes, and also increased average daily body weight gain up to  $369\pm 91$  vs.  $169\pm 93$  g/lamb/day ( $p>0,05$ ) in the control group prior to weaning and to  $177\pm 8$  vs.  $153\pm 17$  ( $p>0,05$ ) for 81 experimental days. Method that includes the treatment of suckling lambs with the sheep placenta tissue preparations is effective and may be recommended as a component of the procedure of lambs prepare to the weaning.*

**Keywords:** ewe-lamb, weaning, tissue preparation, placenta, hemoglobin, erythrocyte, leukocyte, total protein, body weight gain.