

**The presence of *Enterobacteriaceae* in animal feed in the area monitored  
by the Veterinary Hygiene Institute in Olsztyn in 2018-2019**

**Summary**

The aim of the study was to assess the level of livestock feed contamination with pathogenic bacteria of the family *Enterobacteriaceae* and to analyse factors determining the level of contamination. The tests were carried out at the Veterinary Hygiene Institute (ZHW) in Olsztyn in 2018-2019 on samples of feed for livestock (cattle, pigs and poultry), fur-bearing animals, and companion animals. The highest level of *Enterobacteriaceae* contamination during the study period was found in feeds for fur-bearing animals and companion animals. Analysis of the number of positive samples from the area monitored by ZHW in Olsztyn in relation to the country as a whole showed that level of feed contamination with this group of pathogens was similar to the national average. Air temperature was identified as a factor increasing the presence of *Enterobacteriaceae* in feed, which is confirmed in studies by other authors.

**KEY WORDS:** *Enterobacteriaceae*, animal feed, feed components, microbial contamination of feed