

DISTRIBUTION OF FATTY ACIDS IN SUBCUTANEOUS FAT IN SOME ANIMALS SPECIES

M.Malakauskas, J.Margelyte, G.Januskeviciene

Summary. Composition of fatty acids was studied by gas chromatography analysis in subcutaneous fat of cattle, sika deer, wild boars and pigs. The palmitic (C_{16:0}), stearic (C_{18:0}) and oleic (C_{18:1}) acids were represented by the highest amount. The qualitative composition of fatty acids was similar in analysed fat samples but the quantitative composition of fatty acids was different. The amount of saturated fatty acids was higher in comparison with the amount of unsaturated fatty acids in cattle and sika deer fat. The fat of wild boars and pigs had a larger amount of unsaturated fatty acids in comparison with the amount of saturated fatty acids. The considerably higher amount of linoleic (C_{18:2}) acid was ascertained in fat of wild boars and pigs compare with the cattle and sika deer fat. Many significant differences among investigated species were observed in the content of the individual fatty acids.

Keywords: sika deer (*Cervus nippon*), wild boars (*Sus scrofa*), cattle, pigs, fatty acids