Deposition efficiency of dietary PUFA in muscle of rabbits

Summary

The aim of the studies was to determine a relative percentage content of fatty acids in the tissues from muscle of hind rabbit leg, and effectiveness of transformation of fatty acids, coming from feed into fatty acids of muscular tissue as a result of enrichment of feed with 3% addition of rapeseed oil, linseed oil or fish oil. Effectiveness of the discussed process indicates that long-chain fatty acids, deriving from fish oil affect, in a physiologically most effectively way, the enrichment of tissue in n-3 PUFA. The application of fish oil and linseed oil in the mixtures for rabbits allows obtaining the meat with the best health-promoting values, characterized by the ratio of n-3/n-6 PUFA being optimal for human health.