

ABSTRACT-EN

In the thesis were demonstrated possibilities for modification of the release period for folic acid incorporated into matrices prepared from poly(DL-lactic acid) branched by mannitol or dipentaerythritol. The range of release process duration from two days to 45 days was demonstrated. Process was shortened by increasing concentration of triethylcitrate used as plasticizer of oligoester carrier, the second possibility concentration of branching agent builded into molecule, and the third one was pH of dissolution medium. Prolongation of release of folic acid was achieved by crosslinking agent as additive incorporated into matrices.