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Medical materials based on modified cellulose, chitosan and multienzyme complex

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Abstract

There were investigated the properties of proteinases of proteolytic complex from hepatopankrease crab (PC) immobilized on dialdehydecellulose contains chitosan (Ch). Stabilization of PC proteases was established in the presence of Ch. And during addition of glycerol (Gl) to Ch it is destabilized, when immobilization, drying and storing in the air takes place. The data obtained can be explained by the formation of polyelectrolyte complexes between proteins and Ch, as well as the formation of adducts Ch-Gl.