

INFLUENCE OF BIOPOLYMER INULIN ON NANOSTRUCTURE OF FATCONTAIN SYSTEMS

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Biopolymer inulin widely used for medical and food goals in last years. We fixed, that inulin essentially influence on forming of nanostructure of fatcontain systems. Electronical-microscopically researches showed, that inulin form additional monomolecular layers on covers of fat globules, which have dendrite nanostructure. Submicrostructure of interglobular area consists of cristalline stratiform nanoblocks, which have five and sixedge shape. On internanoblocs surface is situated dendrite nanostructure of inulin solution in butter, on inteinanoblocks edges are situated quasisinglemer chains from isotropic and anisotropic nanoparticles of moisture, with size 3-5 nm.