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Metabiotic based on Saumal (mare's milk)

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During performance of scientific project on order for government account metabolic compound pill having beside useful properties proven in before clinical tests was developed. During additional researches pill formula on the base of natural mare's milk-saumal was advanced. Offered product possesses expressed DNA by protective activities, possesses ability to increase adaptational properties of the organism, eliminates infringements of intestinal microbic bias, improves digestion, vegetable fibers and prebiotic improve motor functions of the intestines. Results showed that probiotic strain *Lactobacillus rhamnosus* with DNA protective action, at multiple applications does not cause infringements a functional condition of the main units and the systems of the organism, nor possesses toxic action. Conducted before clinical researches of first-aid efficiency of strain *Lactobacillus rhamnosus* on the model of experimental toxic poisoning tetrachlormethane showed that probiotic *Lactobacillus rhamnosus* at reception in sufficient concentration is capable to lower disturbing influence of toxic hepatotropic substances to intestines microflora. Studying of DNA-protective activity of the substance on the basis of living probiotical cells *Lactobacillus rhamnosus in vivo*, testified that daily reception of the substance "Probiotic with DNA-protective activity" during 7 days after creation of the model of sharp toxic poisoning tetrachlormethane, causes first-aid efficiency. New product produced from vegetable, animal and mineral raw materials of natural origin having pharmacological activity. It takes place between medical products and food stuffs and is ideally combined with rational therapy.

Biography

Samat Kozhakhmetov has completed his PhD from S. Seifullin Kazakh Agro Technical University and MSc at National Biotechnological Centre. He is a Senior Researcher of Human Microbiome Lab of National Laboratory Astana Nazarbayev University. He has published more than 80 papers in Kazakhstan journals and 10 in reputed journals.

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