BIOLOGICALLY ACTIVE FOOD SUPPLEMENTS PRODUCED USING AN EXTRACTION TECHNOLOGY

Description
The Rozobtin, Tetraphyt, Rantaton, Pentafrusen, and Cladosent biologically active supplements (BAS) to food are manufactured using a resource-saving extraction technology. Rozobtin, Tetraphyt, and Pentafrusen are mixtures of a dry extract from several kinds of medicinal plant raw material and lactose. Cladosent is produced from Cladina and Cladonia lichens in the form of pelleted powders. Rantaton is a liquid extract from ossified horns of reindeer.

Technical appraisal and economic benefits
The BAS are inexpensive natural preparations intended for the preventive and adjuvant treatment of widespread diseases. The BAS are produced using an environmentally appropriate, resource-saving simple technology. The plant and animal raw material used in the production is inexpensive and available in sufficient amount in the Russian Federation.

Application areas
Rozobtin and Tetraphyt can be used in medicine for the prevention and adjuvant therapy of hepatobiliar diseases and gastrointestinal inflammatory diseases, respectively. Rantaton can be used as a tonic in increased fatigability and high physical and mental work loads. Pentafrusen can be used in medicine for the prevention and adjuvant therapy of mild and severe forms of diabetes mellitus. Cladosent can be used in medicine as a radioprotective agent for the prevention and treatment of radiation sickness.

Development stage
The BAS were tested at the Institute of Nutrition, Russian Academy of Medical Sciences; in 2001, they were registered as a biologically active food supplement by the Federal Center of Sanitary Supervision and Disease Control of the Ministry of Health of the Russian Federation. Registration certificates are available. The BAS can be produced at pharmaceutical and food-processing plants.
Sale is possible via drugstores and special departments of food stores.

**Patent situation**

**Commercial offers**
- License agreement;
- Know-how transfer;
- Joint production (a production area of 722 m² is available);
- Contract for research and developments of the production of other kinds of phytoextracts.

**Estimated cost**
The estimated cost of know-how transfer is 300 000 rubles.

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