

TECHNOLOGY FOR CULTIVATION OF MICROALGAE *SPIRULINA PLATENSIS* (NORDSTROM.) GEITL. IN CLOSED-TYPE PHOTOBIOREACTORS

Areas of Application

The technology for cultivation of microalgae (Cyanobacteria) *Spirulina platensis* (Nordstrom.) Geitl. in closed-type photobioreactors is designed for whole-year polycyclic production of spirulina biomass to be used in food and pharmaceutical industries for enhancing the human vitality and providing the human organism with vital natural substances

Specification

One module of closed-type photobioreactor has a volume of 1000 l. Productivity is 50–60 g/m² dried product daily. Spirulina is produced as powder, pills or additives for bakery products, pasta or pastry, milk products, salads, etc.



Closed-type photobioreactor for microalgae cultivation

Advantages

The technology enables controlled whole-year polycyclic cultivation of microalgae (Cyanobacteria) *Spirulina platensis* in closed-type photobioreactors and obtaining of microbiologically safe product for food and pharmaceutical industries

Stage of Development. Suggestions for Commercialization

IRL5, TRL4
Technical assistance agreement is proposed. It includes engineering services and relevant R&D works

IPR Protection

IPR1, IPR2

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