

An invention relates to microbiological industry, in particular to the biological purification of waste waters. A process of the biological purification of waste waters provides for two-stage purification – anaerobic and aerobic, at that anaerobic purification is carried out by transmission of waste waters through the dredged layer of granular activated sludge at concentration of biomass of 50-60 g/l and temperature of 35-37 °C.