

A process for obtaining the biomass of the polyps *Obelia longissima*, *Obelia angulata*, which envisages determining the terms of beginning a production cycle of the polyps by means of sampling plankton and controlling the composition thereof in a selected water area, placing coarse material collectors to collect the larvae of the polyps, growing thereof up to obtaining the ready-mixed biomass in the surface layer of water of the water area, determining the terms of ending a production cycle with the subsequent collection of the polyps biomass at the stage of ending active growth thereof. The coarse material, chosen from the group of foam plastic, roofing slate, tile or plastic, is used for the collectors. Implementation of the method proposed will allow transiting to mass cultivation of the hydroid polyps in order to obtain a raw material for medicinal-prophylactic and pharmaceutical preparations.