ABSTRACT

METHOD FOR PRODUCTION OF EUGLENA CONTAINING WAX ESTER AT HIGH CONTENT, AND METHOD FOR PRODUCTION OF WAX ESTER

Provided is a method for producing a euglena highly containing a wax ester, comprising aerobically culturing a microalga euglena by photosynthesis using carbon dioxide as a carbon source, then further culturing the microalga euglena under nitrogen-starvation conditions to increase paramylon accumulation per cell, and subsequently putting the microalga euglena under anaerobic conditions, so that a euglena highly containing a wax ester can be produced; and a method for producing a wax ester.

The present invention relates to a method for producing a euglena highly containing a wax ester. The method comprises a first step of aerobically culturing a microalga euglena, a second step of further culturing a medium under nitrogen-starvation conditions, and a third step of retaining the cells under anaerobic conditions.

FIG. 1