

Abstract

There is provided a method for producing a product by cells, the method including filtering a cell broth through a porous membrane to obtain a product by the cells, in which the porous membrane has a liquid contact surface having at least any one selected from the group consisting of an opening ratio of 57.5% or less, a pore diameter having a coefficient of variation of 0.5 or less, and a ratio of pore diameter/fiber diameter of 1.3 or less, and the liquid contact surface has at least any one selected from the group consisting of a structural anisotropy of 0.97 or more and 1.03 or less and a ratio of long pore diameter/short pore diameter of 1.8 or less, and a shear stress due to a flow of the cell broth on the liquid contact surface is set to 4.0 N/m² or less.

Fig. 1