

ABSTRACT

A cell culture device includes: a culture tank of culturing a cell in a culture solution, the culture tank being in a shape in which a horizontal sectional area upwardly increases; a pump and a culture solution supply pipe, as a supply unit supplying the culture solution to the culture tank; and a control unit controlling the supply of the culture solution of the supply unit, in which the culture solution is intermittently supplied to the culture tank from the supply unit, according to the control of the control unit, and a circulation upward flow is formed in the culture solution, and thus, a plug flow of the culture solution is formed in a culture region in which the cell is retained in the culture tank.

Fig. 1