ABSTRACT

CULTURE METHOD FOR CAUSING DIFFERENTIATION OF PLURIPOTENT MAMMALIAN CELLS

Provided is a method that achieves control of embryoid body size and can induce differentiation in a state where the embryoid body size is controlled, by using a cell culture chamber having a plurality of microchambers formed therein. A culture method for causing differentiation of pluripotent mammalian cells uses a cell culture chamber (10) having a plurality of microchambers (11) formed on a culture surface. The cell culture chamber (10) has a culture surface formed of spaces in which the microchambers (11) have a space structure with a height of 10 μm to 500 μm and a bottom area of 100 μm^2 to 1 mm^2. The culture method for causing differentiation of pluripotent mammalian cells includes culturing pluripotent mammalian cells to obtain a cell population at least partially differentiated into endoderm lineage cells, by using the cell culture chambers (10).

Fig. 1