

ABSTRACT

Pluripotent stem cell-enriched dental pulp-derived cells that can be administered to humans as a medicine, and a production method thereof are disclosed. The production method is a method for producing dental pulp-derived cells enriched with pluripotent stem cells including: a step (a) of digesting dental pulp with a protease to prepare a dental pulp suspension; a step (b) of culturing the suspension to proliferate pluripotent stem cells contained in the suspension; a step (c) of freezing the proliferated pluripotent stem cells in a state in which the pluripotent stem cells are suspended in a first cryopreservation liquid; a step (d) of thawing the frozen pluripotent stem cells; a step (e) of culturing the thawed pluripotent stem cells in a state in which the pluripotent stem cells are adhered to surfaces of particles to proliferate the pluripotent stem cells on the surfaces of the particles; and a step (f) of bringing the particles into contact with a protease to separate the pluripotent stem cells adhered to the surfaces of the particles from the particles.

No Suitable Figure