ABSTRACT

AMELIORATION AND TREATMENT OF CHRONIC LUNG DISEASE USING PLURIPOTENT STEM CELLS

The purpose of the present invention is to provide a novel medical use of pluripotent stem cells (Muse cells) in the regenerative medicine area. Provided are a cell preparation and a medicinal composition for ameliorating and treating chronic lung disease in newborns, said cell preparation and medicinal composition comprising SSEA-3-positive pluripotent stem cells isolated from a mesenchymal tissue in a living body or cultured mesenchymal cells. The cell preparation according to the present invention is based on a mechanism whereby the aforesaid disease is ameliorated and treated by administering Muse cells to a subject suffering from the disease and engrafting the cells in lung tissues.

[FIG. 4]