

Abstract

METHOD FOR PRODUCING RETINAL PIGMENT EPITHELIAL CELLS

The present invention provides a method for more efficiently producing retinal pigment epithelial cells from pluripotent stem cells. The method of the present invention for producing retinal pigment epithelial cells includes the following steps:

- (1) a first step for culturing a pluripotent stem cell in a medium comprising an FGF receptor inhibitor and/or an MEK inhibitor for a period of not more than 30 days, and
 - (2) a second step for culturing the cell obtained in the first step in the presence of a Nodal signal transduction pathway inhibitor and/or a Wnt signal transduction pathway inhibitor to form a retinal pigment epithelial cell.
- (No drawing to be published)