

Abstract

METHOD FOR PRODUCING RETINAL PIGMENT EPITHELIAL CELL SHEET

5 The present invention provides a method of producing a
cell sheet comprising a retinal pigment epithelial cell layer
and a vascular forming cell layer composed of stem cells having
vascular formation ability or blood vessel constituting cells,
comprising a step of laminating the retinal pigment epithelial
10 cell layer and the vascular forming cell layer, and a cell
sheet obtained by said method. Furthermore, the present
invention provides a cell sheet for transplantation, comprising
a cell layer formed with retinal pigment epithelial cells
obtained by inducing differentiation of stem cells or
15 progenitor cells ex vivo, a basement membrane secreted from
said cells, and a vascular forming cell layer composed of stem
cells having vascular formation ability or blood vessel
constituting cells.

20 Figure 1