

Abstract

PRODUCTION METHOD FOR RETINAL TISSUE

5 The present invention provides a method for producing
retinal cells or a retinal tissue, comprising the following
steps (1) - (3):

- (1) a first step of culturing human pluripotent stem cells in
the absence of feeder cells and in a medium comprising a factor
10 for maintaining undifferentiated state,
- (2) a second step of culturing the pluripotent stem cells
obtained in the first step in suspension in the presence of a
Sonic hedgehog signal transduction pathway activating substance
to form a cell aggregate, and
- 15 (3) a third step of culturing the aggregate obtained in the
second step in suspension in the presence of a 1) a BMP signal
transduction pathway activating substance to obtain an
aggregate containing retinal cells or a retinal tissue.

20 (No figure to be published)