

ABSTRACT

The method for producing a cell aggregate including glial progenitor cells according to the present invention comprises:

- 5 (1) a step of subjecting pluripotent stem cells to suspension culture in an embryoid-body-forming culture medium containing one or more SMAD signaling inhibitors and one or more Wnt signaling activators in the absence of feeder cells for 5 days to 10 days, to form a cell aggregate;
- 10 (2) a step of subjecting the cell aggregate obtained in (1) to suspension culture in an embryoid-body-forming culture medium containing retinoic acid;
- (3) a step of subjecting the cell aggregate obtained in (2) to suspension culture in an embryoid-body-forming culture medium or neuron-and-glia-proliferating culture medium containing retinoic acid and one or
- 15 more SHH signaling activators; and
- (4) a step of subjecting the cell aggregate obtained in (3) to suspension culture in a neuron-and-glia-proliferating culture medium containing no retinoic acid and one or more SHH signaling activators.