CLAIMS

1. A medium ~~for~~ when used in the passage culture of mammalian somatic cells comprising an ~~ligand~~ agonist for an endothelial cell differentiation gene (Edg) family receptor and a ligand for a serotonin receptor, wherein said medium is~~.~~

~~2. The medium according to claim 1, which is~~ a serum-free medium or a low-serum medium.

2~~3~~. The medium according to claim 1 ~~or 2~~, wherein the concentration of said agonist~~ligand~~ for an endothelial cell differentiation gene family receptor in the medium is 0.01 to 100 μM, and the concentration of said ~~ligand~~ agonist for a serotonin receptor in the medium is 0.1 to 100 μM.

4~~3~~. The medium according to ~~any one of~~ claims 1 ~~to 3~~or 2, wherein said ~~ligand~~ agonist for an endothelial cell differentiation gene family receptor is at least one selected from the group consisting of lysophosphatidic acid (LPA) and salts thereof; sphingosine-1-phosphate (S1P); and agonists of endothelial cell differentiation gene (Edg) family receptors.

4~~5~~. The medium according to claim 1 ~~or 2~~, wherein said ~~ligand~~ agonist for an endothelial cell differentiation gene family receptor is at least one selected from the group consisting of lysophosphatidic acid (LPA) and salts thereof and has a concentration of 0.25 to 10 μM in the medium, and said ligand for a serotonin receptor has a concentration of 0.25 to 20 μM in the medium.

6~~5~~. The medium according to any one of claims 1 to ~~5~~4, wherein said ~~ligand~~ agonist for a serotonin receptor is at least one selected from the group consisting of serotonin and salts thereof; and agonists of serotonin receptors.

7~~6~~. The medium according to any one of claims 1 to ~~6~~5, further comprising an antioxidant.

8~~7~~. The medium according to claim ~~7~~6, wherein said antioxidant is at least one selected from the group consisting of N-acetylcysteine and L-cysteine.

9~~8~~. The medium according to claim 6 or 7 ~~or 8~~, wherein the concentration of said antioxidant is 0.01 mM to 10 mM.

~~10~~9. The medium according to any one of claims 1 to ~~9~~8, further comprising an animal serum albumin.

~~11~~10. The medium according to any one of claims 1 to ~~10~~9, wherein the concentration of said serum albumin in the medium is 0.0001 to 10% by weight.

~~12~~11. The medium according to any one of claims 1 to ~~11~~10, further comprising a growth factor.

~~13~~12. The medium according to claim 1~~2~~, wherein said growth factor is at least one selected from the group consisting of platelet-derived growth factors (PDGFs), basic fibroblast growth factors (bFGFs) and epidermal growth factors (EGFs).

~~14~~13. The medium according to claim ~~13~~12, comprising two types of said growth factors which are a platelet-derived growth factor (PDGF) and a basic fibroblast growth factor (bFGF) in the medium.

~~15~~14. The medium according to any one of claims ~~12~~ 11 to ~~14~~13, wherein the concentration of said growth factor in the medium is 0.1 to 100 ng/mL.

~~16~~15. An additive for a medium ~~for~~ when used in passage culture of mammalian somatic cells, said additive comprising an ~~ligand~~ agonist for an endothelial cell differentiation gene (Edg) family receptor and ~~a ligand~~an agonist for a serotonin receptor, wherein said medium is a serum-free medium or a low-serum medium.

~~17~~16. The additive according to claim ~~16~~15, wherein said ~~ligand~~ agonist for an endothelial cell

differentiation gene family receptor is at least one selected from the group consisting of lysophosphatidic acid (LPA) and salts thereof; sphingosine-1-phosphate (S1P); and agonists of endothelial cell differentiation gene (Edg) family receptors.

~~18~~17. The additive according to claim 15 or 16 ~~or 17~~, wherein said ~~ligand~~ agonist for a serotonin receptor is at least one selected from the group consisting of serotonin and salts thereof; and agonists of serotonin receptors.

~~19~~18. The additive according to any one of claims ~~16~~ 15 to ~~18~~17, further comprising an antioxidant.

~~20~~19. The additive according to any one of claims ~~16~~ 15 to ~~19~~18, further comprising an animal serum albumin.

~~21~~20. The additive according to any one of claims ~~16~~ 15 to ~~20~~19, further comprising a growth factor.

~~22~~21. The additive according to any one of claims ~~16~~ 15 to ~~21~~20, having a composition which provides the medium according to any one of claims 1 to ~~15~~ 14 when dissolved in water or a basal medium.

~~23~~22. A method for passage-culturing mammalian somatic cells, said method comprising culturing of the mammalian somatic cells in the medium according to any one of claims 1 to ~~15~~14.