CLAIMS

What is claimed is:

1. A culture method of human salivary gland epithelial progenitor cells, comprising:

a) obtaining human salivary gland epithelial progenitor cells from an organism;

b) cell transfer and cultivation in DMEM/F12 medium containing at least the following additives: glutamine and fetal calf serum for 6-48 hours;

c) cell transfer into PCT Epidermal Keratinocyte Medium, CnT-07 (CELLnTEC, Switzerland), and cultivation in culture flasks ensuring cell adhesion at 37°C with addition of 5% CO_2 and medium change every 2-4 days until monolayer is reached;

d) cell passage at 1:3-1:5 dilution ratio, including cell removal from the culture flask surface using EDTA trypsin solution and transfer into the new sterile culture flasks;

e) after step (d), further cell culture as defined in step (c), is again performed followed by step (d), wherein the cell passage of step (d) is provided at a maximum dilution ratio of 1:2-1:3, where the first medium change after step (d) is provided within 8-24 hours and the subsequent in-process medium change is performed every 2-4 days until monolayer is reached.

2. The method of claim 1 wherein cells are cultivated with addition of 5% of oxygen.

3. The method of claim 1 wherein PCT Epidermal Keratinocyte Medium contains components comprising: insulin and/or transferrin and/or sodium selenite and/or epidermal growth factor.

4. The method of claim 1 wherein DMEM/F12 medium also contains components comprising: insulin and/or transferrin and/or sodium selenite and/or epidermal growth factor.