Claims

1. A medium composition for culturing adipose-derived mesenchymal stem cells, which comprises: a mixed medium, L-ascorbic acid 2-phosphate, fetal bovine serum, basic fibroblast growth factors (b-FGF), insulin, N-acetyl-L-cysteine, calcium chloride, and hydrocortisone, wherein the mixed medium is a mixture of Defined Keratinocyte-SFM and a medium selected from the group consisting of α-MEM (Alpha Modification of Eagle's Medium), IMDM (Iscove's Modified Dulbecco's Medium), F12 (Nutrient Mixture F-12), and DMEM/F12 (Dulbecco's Modified Eagle's Medium; Nutrient Mixture F-12).

2. The medium composition of claim 1, wherein the medium composition contains 0.05 to 1 mM of ascorbic acid 2-phosphate, 2 to 20% fetal bovine serum, 10 to 1 ng/ml of basic fibroblast growth factor (b-FGF), 0.1 to 100 μg/ml of insulin, 0.2 to 20 mM N-acetyl-L-cysteine, 0.01 to 1 mM of calcium chloride and 5 ng/ml to 1 μg/ml of hydrocortisone.

3. The medium composition of claim 1, wherein the mixture ratio of the mediums selected from the group consisting of IMDM, α-MEM, F12, and DMEM/F12 to Defined Keratinocyte-SFM medium is 1:0.1 to 1:10.

4. The medium composition of claim 3, wherein the mixture ratio is 1:0.25 to about 1:3.

5. A method for culturing adipose-derived mesenchymal stem cells, the method comprising culturing the adipose-derived mesenchymal stem cells in the medium composition of claim 1.

6. The method of claim 5, wherein the medium composition contains 0.05 to 1 mM of ascorbic acid 2-phosphate, 2 to 20% fetal bovine serum, 10 to 1 ng/ml of basic fibroblast growth factor (b-FGF), 0.1 to 100 μg/ml of insulin, 0.2 to 20 mM N-acetyl-L-cysteine, 0.01 to 1 mM of calcium chloride and 5 ng/ml to 1 μg/ml of hydrocortisone.

7. The method of claim 5, wherein the mixture ratio of the mediums selected from the group consisting of IMDM, α-MEM, F12, and DMEM/F12 to Defined Keratinocyte-SFM medium is 1:0.1 to 1:10.

8. The method of claim 7, wherein the mixture ratio is 1:0.25 to about 1:3.