CLAIMS

1. A cell preparation for treating osteoarthrosis, comprising:

a mixture including micronized adipose tissue and an adipose stem cell, the micronized adipose tissue and the adipose stem cell being obtained by steps of:

separating an adipose tissue taken from a subject into a cellular fraction and a liquid fraction to obtain the cellular fraction;

removing impurities from the cellular fraction to obtain a concentrate of adipose tissue and an adipose stem cell; and

micronizing the adipose tissue in the concentrate of the adipose tissue and the adipose stem cell, wherein there are more than 100,000 adipose stem cells per 1mL of the cell preparation.

2. The cell preparation as in claim 1, wherein the cell preparation has 1 to 10 adipose stem cells per one fat cell.

3. The cell preparation as in claim 1, wherein there are 150,000-200,000 adipose stem cells per 1mL of the cell preparation.

4. The cell preparation as in claim 1, wherein the adipose tissue is micronized to have a size sufficient to pass through a needle having a gauge of 18-30.

5. Use of a cell preparation comprising a mixture including micronized adipose tissue and an adipose stem cell, in the manufacture of a therapeutic agent for the treatment of pain caused by osteoarthrosis, wherein there are more than 100,000 adipose stem cells per 1mL of the cell preparation.

6. The use as in claim 5, wherein the cell preparation has 1 to 10 adipose stem cells per one fat cell.

7. The use as in claim 5, wherein there are 150,000-200,000 adipose stem cells per 1mL of the cell preparation.

8. The use as in claim 5, wherein the adipose tissue has a size sufficient to pass through a needle having a gauge of 18-30.

9. The use as in claim 5, wherein the therapeutic agent is to be administered to a patient having osteonecrosis of the interosseous joint.

10. A method for manufacturing a cell preparation for treating osteoarthrosis, comprising steps of:

separating an adipose tissue taken from a subject into a cellular fraction and a liquid fraction to obtain the cellular fraction;

removing impurities from the cellular fraction to obtain a concentrate of adipose tissue and an adipose stem cell;

micronizing the adipose tissue in the concentrate of the adipose tissue and the adipose stem cell to obtain a mixture including the micronized adipose tissue and the adipose stem cell;

separating the adipose stem cell from the mixture including the micronized adipose tissue and the adipose stem cell to obtain the adipose stem cell; and

mixing the separated adipose stem cell with remainder of the concentrate of the adipose tissue and the adipose stem cell to obtain the mixture including the adipose tissue and the adipose stem cell,

wherein the cell preparation comprises a mixture including adipose tissue and an adipose stem cell in a high concentration, wherein there are more than 100,000 adipose stem cells per 1mL of the cell preparation.

11. A cell preparation for repairing muscle, comprising:

a mixture including micronized adipose tissue and an adipose stem cell, the micronized adipose tissue and the adipose stem cell being obtained by steps of:

separating an adipose tissue taken from a subject into a cellular fraction and a liquid fraction to obtain the cellular fraction;

removing impurities from the cellular fraction to obtain a concentrate of adipose tissue and an adipose stem cell; and

micronizing the adipose tissue in the concentrate of the adipose tissue and the adipose stem cell, wherein there are more than 100,000 adipose stem cells per 1mL of the cell preparation.