extensive washing that leads to increasing total time and costs involved in the isolation or recovery process. Additionally, processes as known in the art also require a significant amount of manual handling by technicians that increases the risks of contamination.

[0007] In view of the problems encountered in the art, there is a need to provide an alternative method for recovering stromal vascular fraction from a sample.

SUMMARY OF THE INVENTION

[0008] In one aspect, there is provided a method for recovering stromal vascular fraction from a sample. In one example, the method comprises providing a mechanical force capable of breaking the sample into a single cell suspension whilst maintaining intact stromal vascular fraction cells' cellular structures, wherein the mechanical force is mincing and/or homogenization.

[0009] In another aspect, there is provided ~~a method of treating a subject in need of cell therapy. In one example, the method of treating the subject of this aspect comprises administering the cells of~~ the stromal vascular fraction obtained from the method of the present disclosure or parts thereof ~~to the subject in need thereof.~~for use in treating a subject in need of cell therapy. In another aspect, there is provided use of the stromal vascular fraction obtained from the method of the present disclosure or parts thereof in the manufacture of a medicament for treating a subject in need of cell therapy.

[0010] In yet another aspect, there is provided ~~a method of treating a subject in need of cell therapy. In one example, the method of treating the subject of this aspect comprises administering~~ the adipose-derived stem cells obtained from the method of the present disclosure ~~to the subject in need of cell therapy.~~for use in treating a subject in need of cell therapy. In yet another aspect, there is provided use of the adipose-derived stem cells obtained from the method of the present disclosure in the manufacture of a medicament for treating a subject in need of cell therapy.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] The invention will be better understood with reference to the detailed description when considered in conjunction with the non-limiting examples and the accompanying drawings, in which:

[0012] **Figure 1** shows an illustration of the types of cells that can be found in stromal vascular fraction. Figure 1 provides a schematic illustration of the types of cells that can be recovered by the method of the present disclosure.

[0013] **Figure 2** shows a microscopic image of cellular growth and morphology after isolation using typical enzymatic method known in the art and culturing to enrich adipose-derived stem cells.

13. The method according to any one of claims 1 to 12, wherein the homogenization is carried out at about 1000 rpm to about 10,000 rpm.

14. The method according to any one of claims 1 to 13, wherein the mechanical force is applied for about 5 seconds to 20 minutes.

15. The method according to claim 1, further comprising a step of isolating adipose-derived stem cells from the stromal vascular fraction obtained from the method of claim 1.

16. ~~A method of treating a subject in need of cell therapy, the method comprising administering t~~The stromal vascular fraction obtained from the method of claim 1 or parts thereof ~~to the subject in need thereof~~for use in treating a subject in need of cell therapy.

17. The stromal vascular fraction or parts thereof ~~method~~ of claim 16, wherein the ~~cell therapy are to be used in~~ subject~~s~~ require~~sing~~ any one of the following: tissue grafts, bone and cartilage repair, repair from ischaemic diseases, repair from peripheral vascular diseases, soft tissue augmentation and reconstructive surgery, wound healing, repair from or treatment of immune and inflammatory diseases, repair from or treatment of diabetes mellitus.

18. ~~A method of treating a subject in need of cell therapy, the method comprising administering t~~The adipose-derived stem cells obtained from the method of claim 15 for use in treating a subject in need of cell therapy~~to the subject in need thereof~~.

19. The adipose-derived stem cells ~~method~~ of claim 18, wherein the ~~cell therapy are to be used in~~ subject~~s~~ require~~sing~~ any one of the following: tissue grafts, bone and cartilage repair, repair from ischemic diseases, repair from peripheral vascular diseases, soft tissue augmentation and reconstructive surgery, wound healing, repair from or treatment of immune and inflammatory diseases, repair from or treatment of diabetes mellitus.

20. Use of the stromal vascular fraction obtained from the method of claim 1 or parts thereof in the manufacture of a medicament for treating a subject in need of cell therapy.

21. Use of the adipose-derived stem cells obtained from the method of claim 15 in the manufacture of a medicament for treating a subject in need of cell therapy.

22. The use of claim 20 or 21, wherein the subject in need of cell therapy requires any one of the following: tissue grafts, bone and cartilage repair, repair from ischemic diseases, repair from peripheral vascular diseases, soft tissue augmentation and reconstructive surgery, wound healing, repair from or treatment of immune and inflammatory diseases, repair from or treatment of diabetes mellitus.