Thus, the present invention relates to a method for preserving a mammalian cell, comprising preserving the mammalian cell for 3 to 14 days in a physiological aqueous solution for cell transplantation comprising 2.0 to 6.0% (w/v) of trehalose, a derivative thereof, or a salt of trehalose or the derivative, and 4.0 to 7.0% (w/v) of dextran, a derivative thereof, or a salt of dextran or the derivative. Also disclosed are (1) a method for preserving a mammalian cell in a physiological aqueous solution for cell transplantation comprising 2.0 to 6.0% (w/v) of trehalose, a derivative thereof, or a salt of trehalose or the derivative, and 4.0 to 7.0% (w/v) of dextran, a derivative thereof or a salt of dextran or the derivative, (2) the method according to (1) above, wherein the physiological aqueous solution is selected from the group consisting of lactate Ringer's solution, saline, Ringer's solution, and acetate Ringer's solution, (3) the method according to (1) or (2) above, wherein the mammalian cell is preserved in the physiological aqueous solution for cell transplantation for 3 to 14 days, (4) the method according to any one of (1) to (3) above, wherein the mammalian cell is a mammalian mesenchymal stem cell or a mammalian T cell, and (5) the method according to (4) above, wherein the mammalian mesenchymal stem cell is a human mesenchymal stem cell from bone marrow and the mammalian T cell is a human peripheral blood T cell.

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The present disclosure also relates to (6) a physiological aqueous solution for cell transplantation comprising 2.0 to 6.0% (w/v) of trehalose, a derivative

thereof, or a salt of trehalose or the derivative, and 4.0 to 7.0% (w/v) of dextran, a derivative thereof, or a salt of dextran or the derivative, (7) the physiological aqueous solution for cell transplantation according to (6) above, wherein the physiological aqueous solution is selected from the group consisting of lactate Ringer's

CLAIMS

1. A method for preserving a mammalian cell, comprising preserving the mammalian cell for 3 to 14 days in a physiological aqueous solution for cell transplantation comprising 2.0 to 6.0% (w/v) of trehalose, a derivative thereof, or a salt of trehalose or the derivative, and 4.0 to 7.0% (w/v) of dextran, a derivative thereof, or a salt of dextran or the derivative.

2. The method according to claim 1, wherein the physiological aqueous solution is selected from the group consisting of lactate Ringer's solution, saline, Ringer's solution, and acetate Ringer's solution.

3. The method according to claims 1 or 2, wherein the mammalian cell is a mammalian mesenchymal stem cell or mammalian T cell.

4. The method according to claim 3, wherein the mammalian mesenchymal stem cell is a human mesenchymal stem cell from bone marrow and the mammalian T cell is a human peripheral blood T cell.