CLAIMS

1. A method of culturing human cells, comprising

culturing human hematopoietic stem cells in a culture medium, wherein

the culture medium is a serum albumin-free medium and comprises an additive, the additive being polyvinyl alcohol, and further comprises

butyzamide and at least one compound selected from the group consisting of stem cell factor (SCF) and 740Y-P, so that

the culturing allows the number of human hematopoietic stem cells to increase or be maintained.

2. The method according to claim 1, wherein the culture medium comprises butyzamide and 740Y-P.

3. The method according to claim 1 or 2, wherein the increased number of the human hematopoietic stem cells is obtained.

4. A culture medium composition for culturing human hematopoietic stem cells, comprising: a polyvinyl alcohol; butyzamide; and at least one compound selected from the group consisting of stem cell factor (SCF) and 740Y-P.

5. A composition comprising human hematopoietic stem cells and the culture medium composition according to claim 4.

6. Use of a serum-free medium for the method according to any one of claims 1 to 3, wherein the serum-free medium comprises: a polyvinyl alcohol; butyzamide; and at least one compound selected from the group consisting of SCF and 740Y-P.