CLAIMS

1. A method for producing a cell culture containing cardiomyocytes induced to be differentiated from embryoid bodies formed from pluripotent stem cells, the method comprising

(i) a step of forming embryoid bodies from the pluripotent stem cells,

(ii) a step of inducing differentiation of the embryoid bodies to obtain a cell population which contains the cardiomyocytes and cells having a high proliferation rate relative to the cardiomyocytes;

(iii) a step of dispersing the cell population; and

(iv) a step of seeding the dispersed cell population at a density reaching confluence or higher, wherein the density reaching confluence is a density at which cell proliferation is substantially stopped by contact inhibition and is 1.0×10^5 cells/cm^2 to about 1.0×10^8 cells/cm^2; and

(v) a step of culturing the seeded cell.

2. The method according to claim 1, wherein the cell culture contains the cardiomyocytes at a higher proportion than a cell population before seeding.

3. The method according to claim 1 or 2, wherein the cell culture contains a cell group having a high proliferation rate relative to the cardiomyocytes at a lower proportion

than the cell population before seeding.

4. The method according to any one of claims 1 to 3, in step (v), further comprising removal of cells having tumorigenicity.

5. The method according to claim 4, wherein the removal of cells having tumorigenicity comprises treating with Brentuximab-Vedotin.

6. The method according to any one of claims 1 to 5, wherein the pluripotent stem cells are iPS cells.

7. The method according to any one of claims 1 to 6, wherein the pluripotent stem cells are human cells.

8. The method according to any one of claims 1 to 7, wherein the cardiomyocytes are cells for application to a subject in need thereof.

9. The method according to any one of claims 1 to 8, wherein a cell culture having a troponin positive rate of 50% to 90% is obtained.

10. The method according to claim 5, wherein a cell culture having a Lin28 positive rate of 0.30% or less is obtained.