Claims

[Claim 1]

A method for enriching atrial myocytes or ventricular myocytes in a cardiomyocyte-containing cell population induced from stem cells, comprising a step of

collecting atrial myocytes or ventricular myocytes from the cell population by using an expression level of CD151 as an index, wherein

atrial myocytes are enriched by collecting CD151 low expressing cells from the cell population, and

ventricular myocytes are enriched by collecting CD151 high expressing cells from the cell population.

[Claim 2]

The method according to claim 1, wherein the stem cells are induced pluripotent stem cells.

[Claim 3]

A process for producing atrial myocytes or ventricular myocytes from stem cells, comprising the steps of:

(A) inducing a cardiomyocyte-containing cell population from the stem cells; and

(B) collecting atrial myocytes or ventricular myocytes from the cell population by using an expression level of CD151 as an index, wherein

atrial myocytes are enriched by collecting CD151 low expressing cells from the cell population, and

ventricular myocytes are enriched by collecting CD151 high expressing cells from the cell population.

[Claim 4]

Use of a CD151 detection probe in a method for enriching atrial myocytes or ventricular myocytes in a cardiomyocyte-containing cell population induced from stem cells, wherein the method comprises a step of

collecting atrial myocytes or ventricular myocytes from the cell population by using an expression level of CD151 as an index, wherein

atrial myocytes are enriched by collecting CD151 low expressing cells from the cell population, and

ventricular myocytes are enriched by collecting CD151 high expressing cells from the cell population.