

METHOD FOR PRODUCING RENAL PROGENITOR CELLS

ABSTRACT

An object of the present invention resides in providing a method for acquiring and producing high-purity renal progenitor cells from a renal progenitor cell population into which pluripotent stem cells are induced to differentiate, by identifying a cell surface antigen marker specific to renal progenitor cells.

A method for producing renal progenitor cells into which pluripotent stem cells are induced to differentiate, the method comprising the steps of:

- (i) culturing the pluripotent stem cells under conditions that induce differentiation into renal progenitor cells; and
- (ii) sorting a cell population from the cells obtained at step (i), by using at least one cell surface marker selected from the group consisting of CD9(-), CD55(-), CD106(+), CD140a(+), CD140b(+), CD165(+), CD271(+) and CD326(-).