

ABSTRACT

The invention provides a living cell counting method and a living cell counting device that are capable of measuring the number of living cells included in cells with high accuracy by non-invasive means with a low risk of contamination. The living cell counting method includes: a step of measuring an amount of suspensoids contained in a cell suspension; a step of measuring capacitance of the cell suspension; and a step of calculating one or more of the number of living cells, the number of dead cells, and a survival rate of cells that are contained in the cell suspension, based on capacitance per unit of living cells obtained in advance, capacitance per unit of dead cells obtained in advance, the amount of the suspensoids, and the capacitance of the cell suspension. A living cell counting device (1) includes: a turbidity sensor (2); a measuring instrument (3) configured to measure capacitance of the cell suspension; a storage unit configured to store data of the capacitance per unit of living cells and the capacitance per unit of dead cells; and a calculation unit configured to calculate one or more of the number of living cells, the number of dead cells, and a survival rate of cells based on the capacitance per unit of living cells, the capacitance per unit of dead cells, the amount of the suspensoids, and the capacitance of the cell suspension.