CENTRIFUGAL FILTRATION DEVICE AND CELL SEPARATION SYSTEM WITH THE SAME

ABSTRACT

The present invention directs to a centrifugal filtration device, for separating living cells, including a spindle (28), a rotary arm (211) which is connected vertically to the spindle (28) and rotates as the spindle rotates, and a microporous membrane filter (31) which is mounted on the rotary arm (211).Tthe microporous membrane filter (31) includes an inlet (311), an outlet (312), a front cavity (313) having the inlet (311) formed thereon, a rear cavity (314) having the outlet (312) formed thereon, and a filter membrane (315) arranged between the front cavity and the rear cavity; the diameter of each filter pore formed in the filter membrane is smaller than that of the cell which needs to be separated. The present invention also discloses a cell separation system.

FIG. 5