## ABSTRACT

In a cell culture system, in a state where a culture unit is contained in a container of an automatic cell culture device, the circulation of a culture solution on a circulation route in the culture unit is controlled by a control unit, and cell culture is performed in a culture tank. At this time, the culture solution is supplied from a culture solution tank, and the cell cultured by a cell collection vial, is collected. In a state where the culture unit is contained in a container of a cell culture device for transport, the circulation of the culture solution on the circulation route in the culture unit is controlled by the control unit, and the cell culture is performed in the culture tank. For this reason, even in a state where the culture unit is attached to the cell culture device for transport, the circulation of the culture solution is controlled, and thus, the culture of the cell is continued.

Fig. 3.