CLAIMS

1. A cell treatment apparatus comprising:

an isolator that has an inner space maintained in aseptic conditions and treats cells in the inner space;

a disposal box that includes a storage part that can be sealed and allows a container, which contained a reagent for use in treatment of cells in the inner space of the isolator and has become no longer needed as a result of use of the reagent, to be once put thereinto as a waste product and then be disposed of outside the isolator; and

a decontamination unit for decontaminating the storage part, wherein

the disposal box comprises: a first opening and closing device that is openable and closable, and allows the isolator and the storage part to be communicated with each other at the time of disposal of the waste product and allow them to be shut off from each other after the putting-in of the waste product and before the disposal of the same; and a second opening and closing device that is openable and closable, and allows the storage part and the outside to be communicated with each other at the time of disposal of the waste product, which has been put into the storage part, and allows them to be shut off from each other after the disposal of the waste product, the second opening and closing device being capable of being held open during the treatment of cells in the isolator;

wherein the cell treatment apparatus further comprises an air supply unit for the storage part that supplies air into the storage part when the second opening and closing device is opened and the waste product is disposed of; and

wherein the second opening and closing device is formed by a plate-shaped lid that can open and close an opening formed at a lower end of the storage part, and the apparatus further comprises an air supply unit for lid supplies air onto a surface which is located on the storage part side of the lid when the lid is opened and the waste product is disposed of.

2. The cell treatment apparatus according to claim 1,

wherein the waste product comprises a container body, and a cap for closing an opening of the container body and thereby sealing the inside thereof, and the waste product is disposed of with the inside of the container body being sealed by the cap.

3. The cell treatment apparatus according to claim 1 or 2, wherein the decontamination unit is connected to the storage part.

4. The cell treatment apparatus according to claim 1 or 2, wherein the decontamination unit is arranged in or connected to the isolator so that part of a decontamination fluid supplied from the decontamination unit to the isolator is supplied into the storage part.

5. The cell treatment apparatus according to any one of claims 1 to 4,

wherein the cell treatment apparatus further comprises a pass box to carry the container into the isolator; and

wherein the container, which has been carried into the pass box and used, is put into the disposal box.