CLAIMS

1. An individual management system for reproductive cells in a facility for in-vitro fertilization which includes an office, an examination room, a test / treatment room and a storage room, characterized in that;

a server and plural personal computers are installed in the office, and an identification code reader is arranged for use in the office;

plural personal computers are installed in the examination room, and an identification code reader is arranged for use in the examination room;

a label printer is installed in the test / treatment room, plural tablet computers and plural identification code reader are arranged for use in the test / treatment room;

a tank for cryopreservation is installed in the storage room, ovum preservation containers are stored in the tank for cryopreservation, and a reader capable of reading an identification code and an IC tag is arranged for use in the storage room;

an identification code and an IC tag are at least attached to or mounted in the ovum preservation containers; and

the server, the personal computers, the identification code reader, the label printer, the tablet computers, the ovum preservation containers, and the reader capable of reading an identification code and an IC tag are connected via intra-facility network.

2. The individual management system for reproductive cells according to claim 1, wherein the intra-facility network is further connected to a cloud

server via internet.

3. The individual management system for reproductive cells according to claim 2, wherein a user of the facility can access the cloud server by a portable information terminal device.

4. The individual management system for reproductive cells according to claim 3, wherein the portable information terminal device is a mobile phones, a smart phone or a tablet computer.

5. The individual management system for reproductive cells according to any one of claims 1 to 4, wherein the facility is a facility to preserve and manage a reproductive cell of an animal.

6. The individual management system for reproductive cells according to any one of claims 1 to 5, wherein the device, the instrument, the implement and the container used to cryopreserve an appropriate subject in liquid nitrogen include at least a cryopreservation tank, a canister, a cane and a ovum preservation container.

7. The individual management system for reproductive cells according to claim 6, wherein the cane is a cane on the grasping portion of which an IC tag for cane can be detachably mounted.

8. The individual management system for reproductive cells according

to claim 7, wherein the IC tag for cane have a latch structure and when the IC tag for cane is inserted in the grasping portion of the cane, a latch portion of the IC tag for cane bites in the grasping portion of the cane and the IC tag for cane is not easily dislocated out of the grasping portion of the cane.

9. The individual management system for reproductive cells according to claim 7 or 8, wherein the surface of the IC tag for cane is colored.

10. The individual management system for reproductive cells according to any one of claims 7 to 9, wherein an ID is printed on or a label in which an ID is printed is attached to the surface of the IC tag for the cane.

11. The individual management system for reproductive cells according to claim 6, wherein an IC tag for ovum preservation container in which an inlet is contained in a cover pipe is mounted on an upper end of a rod-like part of the ovum preservation container.

12. The individual management system for reproductive cells according to claim 11, wherein an internal diameter of a middle part of the cover pipe is smaller than a diameter of a circumscribed circle in the rod-like part of the ovum preservation container.

13. The individual management system for reproductive cells according to claim 11 or 12, wherein a hole or a groove is formed in the inlet in an axial direction.

14. The individual management system for reproductive cells according to any one of claims 11 to 13, wherein individual identifying information of a fertilized egg and information concerning a fertilized egg are stored in the inlet.

15. The individual management system for reproductive cells according to any one of claims 11 to 14, wherein a type code and a color code of the container are stored in the inlet.

16. The individual management system for reproductive cells according to any one of claims 11 to 15, wherein a surface of the IC tag of the ovum preservation container is colored.

17. The individual management system for reproductive cells according to any one of claims 11 to 16, wherein the inlet of the IC tag of the ovum preservation container is colored.

18. The individual management system for reproductive cells according to any one of claims 11 to 17, wherein an ID is printed on or a label in which an ID is printed is attached to the surface of the ovum preservation container.

19. The individual management system for reproductive cells according to any one of claims 11 to 18, wherein an ID is printed on or a label in which an ID is printed is attached to the surface of the IC tag for the ovum preservation container.

20. The individual management system for reproductive cells according to claim 6, wherein an IC tag for canister is suspended from a hooking portion of the canister.

21. The individual management system for reproductive cells according to claim 6, wherein the device, the instrument, the implement and the container further include a sperm preservation container.

22. The individual management system for reproductive cells according to claim 21, wherein the sperm preservation container is a specimen tube and an IC tag for specimen tube is mounted in a leg portion of a body of the specimen tube.

23. The individual management system for reproductive cells according to claim 21, wherein the sperm preservation container is a sperm preservation straw and an IC tag for sperm preservation container is mounted in a thin pipe of the sperm preservation straw.

24. The individual management system for reproductive cells according to any one of claims 1 to 23, wherein an extended antenna can be attached to the identification code / IC tag reader.

25. The individual management system for reproductive cells according to claim 24, wherein the extended antenna comprises a holding member to hold an IC tag, an antenna element fitted into the holding member and a

connecting cable capable to be connected to the identification code / IC tag reader.

26. The individual management system for reproductive cells according to claim 25, wherein the antenna element has a shape of cylindrical curved surface.

27. The individual management system for reproductive cells according to claim 26, wherein the extended antenna comprises an antenna element of wound coil and a connecting cable capable to be connected to the identification code / IC tag reader.