CLAIMS

1.- A method for carrying out an inventory of a plurality of biological product containers (16), each container (16) and/or each package (14) comprising containers (16) being provided with an identification label with a wireless communication chip, the method comprising the following steps:

- providing a device (12) for carrying out an inventory, the device (12) including a gantry (26) defining a direction of travel (X), the gantry comprising two reading panels (28A, 28B), the reading panels (28A, 28B) each including a plurality of antennas (A1, A2, B1, B2; A, B), the antennas (A1, A2, B1, B2; A, B) being capable of reading a wireless communication chip, an antenna (A1, A2, B1, B2) of a reading panel (28A, 28B) being associated bijectively with an antenna (A1, A2, B1, B2) of another reading panel (28A, 28B) to form pairs of antennas (A1, B1; A2, B2),

- providing a receptacle (10) able to be moved, the receptacle (10) bearing the plurality of containers (16) for which an inventory is to be carried out,

- moving the receptacle (10) in order to cross the gantry (26) in the direction of travel, and

- reading, by the reading panels (28A, 28B), the wireless communication chip of each container and/or package (14, 16), during the movement of the receptacle (10),

wherein the reading step is carried out by successive supply of the pairs of antennas (A1, A2, B1, B2) with current during a predefined period of time.

2.- The method according to claim 21 wherein the gantry (26) includes a floor (30) including at least two guide member (34A, 34B) extending along the direction of travel, each guide member (34A, 34B) being associated with a respective reading panel (28A, 28B) and being arranged at a distance smaller than 20 centimeters (cm) from a respective reading panel (28A, 28B) along a direction transverse to the direction of travel, each receptacle (10) comprising a plurality of casters (18), at least one caster (18) being provided to cooperate with at least one guide member (34A, 34B).

3.- The method according to claim 1 or 2, wherein the movement and reading steps are carried out in an enclosure with a controlled atmosphere.

4.- The method according to any one of claims 1 to 3, wherein the receptacle (10) comprises at least one wall formed by a metal grating.

5.- The method according to any one of claims 1 to 4, wherein the current applied in each pair of antennas (A1, B1; A2, B2) respects one of the following conditions: being in phase, being phase-shifted by 90° and being phase-shifted by 180°.

6.- The method according to any one of claims 1 to 5, wherein each reading panel (28A, 28B) includes only two antennas (A1, A2, B1, B2).

7.- A device (12) for carrying out an inventory of a plurality of biological product containers (16), each container (16) and/or each package (14) comprising containers (16) being provided with an identification label with a wireless communication chip, the plurality of containers (16) for which an inventory must be carried out being part of a receptacle (10), the device (12) comprising:

- a gantry (26) defining a direction of travel (X), the gantry comprising two reading panels (28A, 28B), the reading panels (28A, 28B) each including a plurality of antennas (A1, A2, B1, B2; A, B) next to one another, the antennas (A1, A2, B1, B2; A, B) being capable of reading a wireless communication chip, an antenna (A1, A2, B1, B2) of a reading panel (28A, 28B) being associated bijectively with an antenna (A1, A2, B1, B2) of another reading panel (28A, 28B) to form pairs of antennas (A1, B1; A2, B2), and
- a control terminal (27) comprising a controller (40) suitable for commanding the antennas (A1, A2, B1, B2; A, B) to carry out a reading step by at least one of the reading panels (28A, 28B) of the wireless communication chip of each container and/or package (14, 16), during the movement of the receptacle (10) to traverse the gantry (26) along the direction of travel, the reading step being carried out by successive supply of the pairs of antennas with current during a predefined period of time.