iStraw®

“Sterilized 0.25ml plastic straw with self-ice seeding for embryo freezing”

**Specification:**

**Features:** No need to conduct ice seeding manually. As such straws placed in programmable freezer start to germinate ice naturally and simultaneously at optimal seeding temperature (recommendable seeding temperature is -7℃). Time saving, practitioner’s Stress relief and Risk avoidance involving manual ice seeding.

**Materials of straw:** Glycol-modified Polyethylene Terephthalate (PET-G)

**Other materials:** Sodium Alginate, braided nylon thread, silver iodide as ice nuclei

**Sterilization:** electron beam sterilization with 25kGy

**Packing materials:** PET12μm/dry laminate/LLDPE (linear low density polyethylene) 40μm

**Storage conditions:** Keep in cool and dry place avoiding direct sunlight and UV.

**Optional Packaging:** a piece /three pieces /five pieces of straws

**Shelf Life:** 3 years

**Recommended Usage Instruction:**

Straw should be placed at -7℃ to induce self-ice seeding. Typically ice germinates within less 2 min after placing it at -7℃. In case of adopting higher temperature than -7℃ for ice-seeding, 0.1 to 0.3 M sucrose solution should be placed in contact with the inner cotton plug.

**Secureness:** An independent study showed that bovine one cell embryos after in vitro fertilization developed to expanded to hatched blastocysts under the condition of co-culture with silver iodide coated by calcium alginate. There was no significant difference in the development rates between the co-culture group and the control without co-culture. In addition, we are performing the continual transfer trial using bovine embryos frozen with iStraw. We currently recognize that no significant differences between the pregnancy rates using iStraw and using ordinal straw with manual ice seeding are observed.

**Manufacturer:** AnimoScience Ltd. & GUNZE Ltd.

**Supplier:** AnimoScience Ltd.

**MADE IN JAPAN**

**Information of Company:**

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