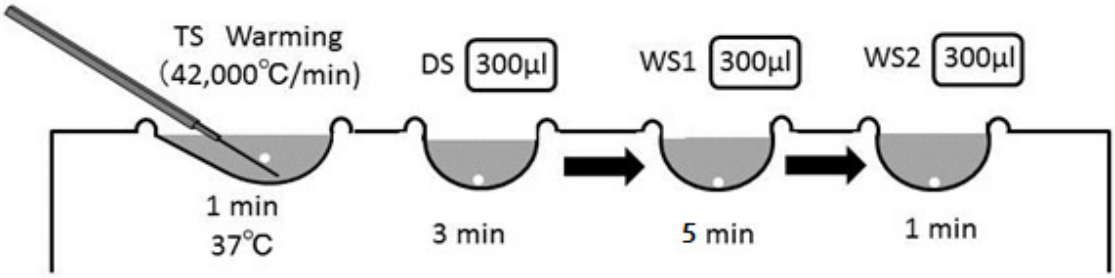
Cryotech®

For Oocytes and Embryos

WARMING KIT (102)



Contents of the Kit

-Warming Solution (TS): 1 vial of 1.8 ml.
-Diluent Solution (DS): 1 vial of 0.5ml.
-Washing Solution (WS): 1 vial of 1ml.
-1 Warm-plates with 4 wells each.

Instructions

Preparation

-The whole process should be made under room temperature (25-27ºC).
-Important: Use a Pasteur pipet with the right diameter for oocyte, embryo (140-150 µm) and Blastocyst (160-200 µm).
-Place the Warm-plate and TS vial (with rid) in the incubator at 37°C 3 hours before the use (overnight storage is preferable).
-Expose DS and WS vials to room temperature air at least 1 hour before the use.
-Take the Warm-plate and TS vial out of the incubator, and expel the vial to the first square well.

Warming and dilution of CPAs

1. Quickly (within 1 sec) put the Cryotec into the 1º square well with TS, and wait for 1 min.
2. While waiting, fill the second well with 300 µl of DS.
3. Aspirate the oocyte/embryo and 3 mm long of TS into the pipette, and expel them most slowly to the bottom of the second well (DS). And wait for 3 min.
4. While waiting, fill the third (WS1) and fourth wells (WS2) with 300 µl of WS each.
5. Aspirate the oocyte/embryo and 3 mm long of DS into the pipette, and expel them slowly to the bottom of the third well (WS1), and wait for 5 min.
6. Give a survival judgment at the end of this step if the shrunk oocyte/embryo to be recovered or not.
7. Put the oocyte/embryo on the surface of the fourth well (WS2). When they sink and reach to the bottom, put them again on the surface of the same WS2 to wash for 2 times in total.
8. Put the oocyte/embryo in the droplet of the culture media for the recovery for ICSI and ET.

Note: 2 to 4 hours of culture for oocytes, and 3 hours for embryos.

Quality Control Tests

This Lot Nº JIHA0115 (All Solutions)
Successfully passed the following controls:

- Sterility : Sterility test .
- Endotoxin by ES methodology (Each component).
- Efficiency: survival of 50/50 Mouse embryos and Porcine oocytes.

Storage and stability

Solutions and kits can be transported under the room temperature, and then must be keep in the fridge at 2-8ºC until the expiration date.

Composition

-Modified HEPES Buffered MEM
-Hydroxy Propyl Cellulose
-Endotoxin free Trehalose

References

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- Antinori M, Licata E, Dani G, Cerusico F, Versaci C, Antinori S. Cryotop vitrification of human oocytes results in high survival rate and healthy deliveries. Reproductive BioMedicine Online 14, 5-667, 2007.
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- Fukui Y, Kuwayama M. Effect of cryodevice type and donor's sexal maturity on vitrification of minke whale oocytes at germinal vesicle stage. Zygote 12, 333-338, 2004.
- Hochi S, Kuwayama M. Improved Survival of Vitrified in vivo-derived porcine embryos. J. Reprod. Develop. 50, 481-486, 2004.
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Product for in vitro use only.

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