COSMO BIO CO., LTD.

P10 and PEPeS (Media for cryopreservation)

Cat. No. CSR-R-P186

CSR-R-P187

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*Keep them in 4℃ until use. Use all the media once opened and avoid using the remaining because of the quality degradation.

Collection of embryos

Collect the embryos of the required stage by oviduct perfusion after mating (Please refer to the datasheet of mR1ECM (Cat No. CSR-R-M174 or CSR-R-M191) .

Preparation

1. Return P10 to room temperature.
2. Prepare cryotubes depending on the number of embryos you freeze.
3. Prepare crushed ice, chiller or lab top cooler to keep samples to 0℃ . Cool PEPeS to 0℃ .
4. Prepare cryobox or cryocanes according to the number of tubes you freeze. (Cryotubes will be kept in liquid nitrogen.)

Cryopreservation

1. Put P10 drops in a dish. The number of drops should be the number of tubes you freeze + 1.
2. Place embryos to one of the drops and wait until the embryo drops down.
3. Using glass capillary, divide the embryos equally and move them to the remaining P10 drops.
4. Using a pipette, transfer the embryos with 5 µL of P10 into a cryotube.
5. Keep the cryotube to 0℃ .
6. Add 95 µL of PEPeS into the cryotube along the inner surface and equilibrate for 1 minute.
7. Put the tubes to pre-cooled cryobox or cryocanes, and preserve them in liquid nitrogen.
8. Keep them into liquid nitrogen. If the samples are kept above the liquid nitrogen, they will melt and will cause the poor survival rate.

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