

Superovulation Reagent for Mice

CARD HyperOva[®]

Center for
Animal
Resources and
Development

Procedure: Preparation of CARD HyperOva[®]

Protocol:

- 1) Remove CARD HyperOva[®] from a refrigerator. Place the CARD HyperOva[®] in an incubator, a water bath, etc. at 37°C and leave it for 10mins to thaw.
- 2) The thawed reagent must be injected within an hour of thawing. Before sucking up the reagent into the cylinder, invert the tube and mix the contents well in order to suspend the CARD HyperOva[®].
- 3) In the unlikely event that aggregates appear that cannot be removed using an injection needle, do not collect the aggregates* when filling CARD HyperOva[®] into the cylinder.
- 4) Inject 0.1mL - 0.2mL/mouse of CARD HyperOva[®] into the abdominal cavity.
- 5) Inject 7.5IU of hCG** into the abdominal cavity 48 hours after administering CARD HyperOva[®].
- 6) 17 hours after the hCG injection, remove the swollen area of the oviduct from the mouse, remove the unfertilised eggs, and transfer to a medium such as HTF medium for in vitro fertilization. Please note that introducing 100 or more unfertilised eggs into a drop of medium for in vitro fertilisation could drastically reduce the fertilisation rate.

Preservation:

Storage temperature: -20°C ~ -80°C

For laboratory use only

Not Contains harmful ingredients. Do not drink and touch your body.

Reference: Reproductive engineering technique in mice

<http://card.medic.kumamoto-u.ac.jp/card/english/sigen/manual/onlinemanual.html>



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