

## Instructions for the preparation of *CARD HyperOva<sup>®</sup> F.D.*

*CARD HyperOva<sup>®</sup> F.D.* is a hyperovulation reagent for use in reproductive engineering. It was developed at the Center for Animal Resources and Development (CARD), Kumamoto University. *CARD HyperOva<sup>®</sup> F.D.* is freeze-dried to improve storage stability. Please check these instructions before use.

### Contents

Vial of sterile distilled water,

Vial containing freeze-dried *CARD HyperOva<sup>®</sup> F.D.*

### Preparation instructions

1) Aspirate all of the sterile distilled water (2mL) from the vial using a syringe.



2) Add the sterile distilled water aspirated in 1) into the vial of *CARD HyperOva<sup>®</sup> F.D.*, then gently invert the vial several times in order to completely dissolve the *CARD HyperOva<sup>®</sup> F.D.* into the water.



3) Induce superovulation by injecting 0.1-0.2 mL (i.p.) of the *CARD HyperOva<sup>®</sup>* solution created in 2) into the abdominal cavity of a female mouse.



4) Follow 3) up 48-52 hours later with a 5-7.5IU (i.p.) injection of human chorionic gonadotropin (hCG).



### Storage instructions

Store vials containing freeze-dried *CARD HyperOva<sup>®</sup> F.D.* at 4°C.

Do not open the vials before use.

### Caution

Administer one time per mouse.

It may not be used for any purpose other than research purposes, such as treatment of animals.

Although it does not contain harmful ingredients, do not drink or apply to the body.

### Reference

For further information concerning reproductive engineering techniques in mice, including mouse in vitro fertilization methods, please refer to the Reproductive Engineering Techniques in mice manual created by CARD, Kumamoto university.  
<http://card.medic.kumamoto-u.ac.jp/card/english/sigen/manual/onlinemanual.html>

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