

# CARD REVOLUTION

Center for  
Animal  
Resources and  
Development

The **CARD** series that's reproductive engineering related reagent developed at the Kumamoto University Institute of Center for Animal Resources and Development (CARD). We manufacture and sell it based on the license agreement with Kumamoto University.

**CARD 0.25M Sucrose**  
for thawing of freezing embryo

**CARD 1MDMSO**  
**CARD DAP213**  
for freezing embryo

**CARD KSOM**  
for culture of embryo

**CARD mHTF**  
for IVF



Transferring of embryo

pups

**CARD MEDIUM**<sup>®</sup>  
IVF medium

In vitro fertilization

Research



Cryopreservation of spermatozoa

**CARD FERTIUP**  
for freezing of sperm

**CARD FERTIUP**  
for incubation of mice sperm

Collection of oocyte



Pre incubation

**CARD HyperOva**<sup>®</sup>  
for superovulation



Low cost and  
save space

**CARD cold-transport kit**



**KYUDO CO.,LTD.**  
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E-mail: fertiup@kyudo.co.jp URL ; <http://www.kyudo.co.jp/>

※FERTIUP is our registered trademark.


Center for Animal Resources and Development  
 Manufacturer  
 KYUDO CO., LTD.

# CARD FERTIUP

Mouse Sperm Cryoprotectant : CPA EXP DATE : 2019

FERTIUP<sup>®</sup> is a novel medium which makes it easier to cryoprotect mouse sperm and to perform *in vitro* fertilization (IVF), especially for the C57BL/6J strain.  
 FERTIUP<sup>®</sup> was jointly developed by KYUDO CO., LTD. and Kansai University.

Distributor  
 COSMO BIO CO., LTD.  
 4-1-10 HANEDA BLDG. 1/F, 1-10-10 HANEDA, HONJO-KU, TOKYO 131-8501, JAPAN  
 TEL. 03-5622-1111 FAX. 03-5622-1112  
 URL: <http://www.cosmobio.co.jp>



**-STORE AT ROOM TEMPERATURE  
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 Manufacturer  
 KYUDO CO., LTD.

# CARD FERTIUP

Mouse Sperm Preincubation Medium : PM EXP DATE : 2019

FERTIUP<sup>®</sup> is a novel medium which makes it easier to cryoprotect mouse sperm and to perform *in vitro* fertilization (IVF), especially for the C57BL/6J strain.  
 FERTIUP<sup>®</sup> was jointly developed by KYUDO CO., LTD. and Kansai University.

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# CARD MEDIUM

Patent number JP 5149077 Lot No. CM18H1 EXP DATE : 2019

CARD MEDIUM<sup>®</sup> is a novel medium which helps obtain a high fertilization rate *in vitro* in mice, especially when used in combination with FERTIUP<sup>®</sup> preincubation medium.  
 KYUDO manufactured these products based on the results of research at The Center for Animal Resources and Development (CARD), Kansai University, Japan.

Distributor  
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# CARD mHTF

Medium for mouse *in vitro* fertilization

**\* KEEP REFRIGERATED!**  
 Use for research purposes only (not to be used for therapeutic purposes). Contains no harmful ingredients, but do not drink or apply to the human body.

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**KYD-008-EX**

Center for Animal Resources and Development  
 KYUDO CO., LTD.

# CARD KSOM

Medium for mouse embryo

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**KYD-011-EX**

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# CARD 0.25M Sucrose

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**KYD-014-EX**

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 KYUDO CO., LTD.

# CARD 1M DMSO

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**KYD-012-EX**

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 KYUDO CO., LTD.

# CARD DAP213

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**KYD-013-EX**

Superovulation reagent for mice **KYD-016-EX**  
 Patent number JP 5927588

# CARD HyperOva<sup>®</sup>

Center for Animal Resources and Development  
 KYUDO CO., LTD.

For laboratory use only  
 CARD HyperOva are to be stored between -80°C to -20°C