

# CARD REVOLUTION

Center for  
Animal  
Resources and  
Development

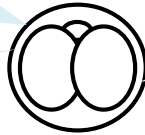
The **CARD** series that's reproductive engineering related reagent developed at the Kumamoto University Institute of Center for Animal Resources and Development (CARD). We manufacture and sell it based on the license agreement with Kumamoto University.

**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



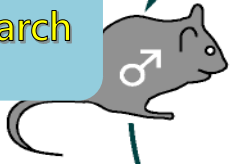
Transferring of embryo

pups

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

In vitro fertilization

Research



**CARD FERTIUP**<sup>®</sup>  
for incubation of mice sperm

Collection of oocyte



Pre incubation

Cryopreservation of spermatozoa

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

**CARD FERTIUP**<sup>®</sup>  
for freezing of sperm



Low cost and save space

CARD cold- transport kit



Distributed Worldwide by:  
**COSMO BIO USA**  
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Carlsbad, CA 92010  
TEL & FAX: 760-431-4600  
email : info@cosmobiousa.com  
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TEL : +81-942-82-6519 FAX : +81-942-85-3175  
E-mail: fertiup@kyudo.co.jp URL ; http://www.kyudo.co.jp/


**KYD-001-EX**

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

# CARD FERTIUP®

**Mouse Sperm Cryoprotectant : CPA**    **EXP DATE :3/ 2019**

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

Distributor  
 COSMO BIO Co., LTD.  
 TOYO EKIMAE BLDG. 2-05, TOYO 2-CHOME, KOTO-KU, TOKYO 130-8585 JAPAN  
 TEL. (81)3-5622-9817 FAX. (81)3-5622-9818 URL. <http://www.cosmobio.co.jp/>

-STORE AT ROOM TEMPERATURE  
 -FOR RESEARCH USE ONLY  
 -NOT FOR HUMAN OR MEDICINAL USE

®: FERTIUP is a trademark.


**KYD-002-EX**

Center for Animal Resources and Development  
 Manufacturer  
 KYUD CO.,LTD.  
 Patent number JP 4683408

# CARD FERTIUP®

**Mouse Sperm Preincubation Medium : PM**    **EXP DATE : 1/ 2019**

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

Distributor  
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-STORE AT 4°C  
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 -NOT FOR HUMAN OR MEDICINAL USE

®: FERTIUP is a trademark.


**KYD-003-EX**

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

# CARD MEDIUM®

**Patent number JP 5439677    Lot No. CM1801    EXP DATE :7/ 2019**

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

Distributor  
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**Medium for mouse *in vitro* fertilization**

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

# CARD mHTF

**KYD-008-EX**

**\* 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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**Medium for mouse embryo**

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

# CARD KSOM

**KYD-011-EX**

**\* 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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Center for Animal Resources and Development  
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# CARD 0.25M Sucrose

**KYD-014-EX**

**\* 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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# CARD 1M DMSO

**KYD-012-EX**

**\* 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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Center for Animal Resources and Development  
 KYUD CO.,LTD.

# CARD DAP213

**KYD-013-EX**

**\* 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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**Superovulation reagent for mice**    **KYD-010-EX**  
 Patent number JP 5927588

# CARD HyperOva®

Center for Animal Resources and Development    **KYUD CO.,LTD.**

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