

# Ultra-superovulation reagent for mice

# CARD HyperOva®

For laboratory use only

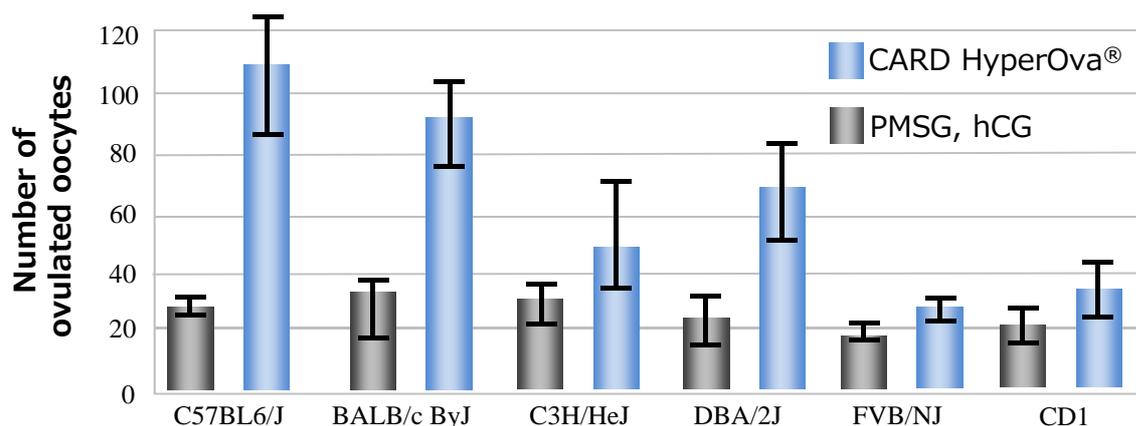
## Product Outline

CARD HyperOva® (Patent No. 5927588) is an ultra-superovulation reagent that induces ovulation at higher efficiency when compared with the conventional superovulation induction method (PMSG-hCG method). Following the conventional method, we were only able to obtain approximately 20 ova per mouse (C57BL/6J) on average; using CARD HyperOva®, however, we can obtain as many as 3-4 times more ova.

## Effects of CARD HyperOva®

### I. Reduction in Experimental Animal Use (Contribution to 3Rs)

Using CARD HyperOva® enables us to reduce the number of female mice used for ovum collection by 1/3-1/4.



\*7.5 IU of CARD HyperOva® or PMSG was injected to four-week old female mice, then 7.5 IU of hCG was administered 48 hours later. Thereafter all ova obtained 17 hours after the hCG injection were collected.

\*Data cited from a paper published by Prof. Naomi Nakagata and Toru Takeo (Center for Animal Resources and Development, Kumamoto University).

### II. Optimization of Genetically Modified Mouse Creation and Preservation

More ova can be obtained from less female mice using CARD HyperOva® than following the conventional method, which will facilitate in vitro fertilization and embryo transfer.

### III. Application to Valuable Genetically Modified Mice

Using CARD HyperOva® on your valuable genetically modified mice enables you to obtain a lot of ova from small number of females, thus enabling the large-scale preparation of embryos.

Manufacturer



Technical Support :  
fertiup@kyudo.co.jp

Distributor



Distributed worldwide by Cosmo Bio USA

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E-mail : info@cosmobioussa.com

URL : <https://www.cosmobioussa.com>