

FERTIUP® 系列

小鼠精子冷冻保存液 Mouse Sperm Cryoprotectant
小鼠精子预孵培养液 Mouse Sperm Preincubation Medium

CARD MEDIUM® 系列

小鼠受精液 Mouse Fertilization Medium

FERTIUP®和CARD MEDIUM®系列产品是用于小鼠精子冻存、有效提高体外受精率的试剂。

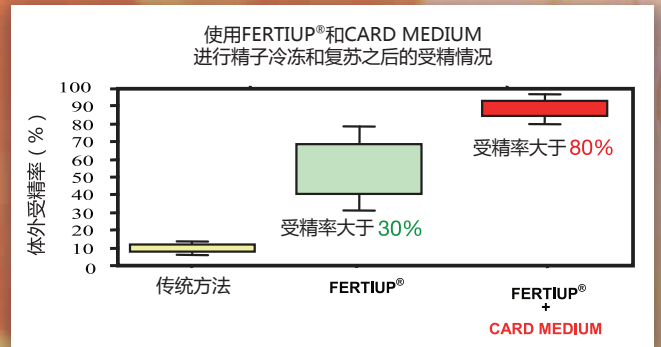
三款试剂联用可提高冻存小鼠精子的复苏率并且提高体外受精成功率

该系列试剂用于基因工程小鼠品系的保存，方法可靠有效，对医学研究非常重要。研究人员发现使用液氮低温保存小鼠品系的精子，成本约是单克隆保存的三十分之一。



小鼠精子冷冻保存液、小鼠精子预孵培养液和小鼠受精液三者联用，提供最优效果：

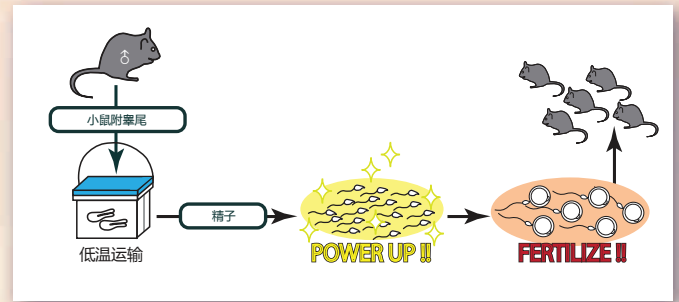
- 受精率超过80%
- 提高转基因或基因敲除小鼠的保存管理效率
- 降低人力、物力和杂交小鼠的成本
- 难繁殖的品系也有更高繁殖效率
- 缩短小鼠品系的繁殖周期



冷藏运输工具包

专用于小鼠附睾尾和胚胎的低温运输，成本低廉，使用安全。

- 减少活鼠运输成本；
- 降低小鼠运输途中的死亡和逃跑风险；
- 防止病菌传播



产品列表

产品名称	产品编号	规格
FERTIUP® Mouse Sperm Cryoprotectant: CPA	KYD-001-EX	1 mL
	KYD-001-05-EX	0.5 mL
FERTIUP® Mouse Sperm Preincubation Medium: PM	KYD-002-EX	1 mL
	KYD-002-05-EX	0.5 mL
CARD MEDIUM	KYD-003-EX	1 kit
FERTIUP® PM 1ML-CARD MEDIUM set FERTIUP® Mouse Sperm Preincubation Medium: PM (1 ml) x 1 vial, CARD MEDIUM x 1 kit	KYD-004-EX	1 set
FERTIUP® PM 0.5ML-CARD MEDIUM set FERTIUP® Mouse Sperm Preincubation Medium: PM (0.5 ml) x 1 vial, CARD MEDIUM x 1 kit	KYD-005-EX	1 set
Card Cold Transport Kit Foam transport box (1 box), Cold packs (4 large packs, 2 small packs), Thermos bottle (1 bottle) Paper box (1 box), Shock-absorbing material (1 piece)	KYD-006-EX	1 set



KYD-001-EX



KYD-002-EX



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更多产品信息，请点击：<http://card.medic.kumamoto-u.ac.jp/card/english/sigen/manual/mouseivf.html>

参考文献

1. Takeo, T., Hoshii, T., Kondo, Y., Toyodome, H., Arima, H., Yamamura, KI., Irie, T. and Nakagata, N. Methyl-beta-cyclodextrin improves fertilizing ability of C57BL/6 mouse sperm after freezing and thawing by facilitating cholesterol efflux from the cells. *Biol Reprod.* **78** (3): 546-51. 2008.
2. Takeo, T and Nakagata, N. Combination medium of cryoprotective agents containing L-glutamine and methyl-β-cyclodextrin in a preincubation medium yields a high fertilization rate for cryopreserved C57BL/6J mouse sperm. *Lab Anim.* **44** (2): 132-7. 2010.
3. Nakagata N. 2011. Cryopreservation of mouse spermatozoa and *in vitro* fertilization. *Methods Mol Biol.* **693**: 57-73.
4. Takeo T., and Nakagata N *et al.* 2009. Birth of mice from vitrified/warmed 2-cell embryos transported at a cold temperature. *Cryobiology.* **58**(2): 196-202.
5. Takeo T., and Nakagata N *et al.* 2010. Short-term storage and transport at cold temperatures of 2-cell mouse embryos produced by cryopreserved sperm. *J Am Assoc Lab Anim Sci.* **49**(4): 415-419.

仅供实验使用，不可用于临床诊断。

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