



Cornell University
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In Vitro Fertilization of Mouse Oocytes

Description: The core will perform IVF of mouse oocytes collected from super-ovulated females, incubate those embryos overnight, and perform embryo transfer surgery of fertilized 2-cell stage embryos into recipient pseudopregnant females. A typical round of in vitro fertilization involves superovulating 10 C57BL/6 females with PMSG and HCG and fertilizing the collected oocytes with either fresh sperm or sperm recovered from cryopreservation. We typically expect to collect 200 to 300 oocytes from 10 donor females, and ideally 30% of them will advance to the 2-cell stage after fertilization. These 2-cell stage embryos will then be collected and transferred ~5 pseudopregnant recipient females. The number of animals born after this procedure will vary based on mouse strain and quality of sperm, but ideally we could deliver at least 10-20 animals per attempt. This service includes the cost of oocyte donors and recipient females. The user is responsible for providing either live male animals from which to collect fresh sperm or cryopreserved sperm. Please contact the core via email or telephone to discuss the details of your project.

Price: \$1000