

Embryo cryopreservation

- A. Prerequisite: Before placing an order for embryo cryopreservation service, the following conditions should be fulfilled.
1. Animal status ready for embryo cryopreservation upon applying for TCF services.
 - a. Fertile males older than two months and younger than six months.
 - b. Females at three-week-old (optional where applicable).
 2. Characterizations of mouse line (strain, genotype, phenotype, pathogen status etc.)
 3. Method and proof to identify animal once restored.
 4. Space to store cryopreserved straws.
 5. Failure to restore a frozen mouse line is rare, however, one should understand and accept the risk of losing preserved mouse line. For a precious mouse line, a small-scale animal maintenance is recommended.
- B. Embryo cryopreservation service request form, agreement form, and case evaluation form should be completely filled, dated, and stamped upon service application.
- C. TCF should be informed, if mouse line has any phenotype related to abnormality in fertility, pregnancy and fetal/infant mortality.
- D. If unexpected situation leading to a lower yield of embryo, TCF will inform the requester and more animals should be provided for one more trial of embryo cryopreservation.
- E. After embryo cryopreservation service TCF will randomly select one frozen straw for animal restoration. All animals from such quality control procedure will not be housed in IMB animal facility and culled afterward.
- F. All frozen straws will be released to requester after TCF quality control. TCF will not be responsible for long-term straw storage. Upon receiving frozen embryo straws, a cryopreserved embryo release form will be asked by TCF staff to sign.

G. Charges.

1. NT\$ 12000 for cryopreservation of at least 100 embryos (5 straws).
2. NT\$ 20000 for cryopreservation of at least 200 embryos (10 straws).
3. Charge will be bill to the order of requester at the beginning of service.
4. All service charges for orders from within IMB or other Institutes will be the same. Wild type females provided by TCF will be charged independently.