

UMMS TRANSGENIC ANIMAL MODELING CORE (TAMC)

EXPANSION OF iPSC AND ADAPTATION TO FEEDER-FREE CONDITIONS

The Facility will perform:

1. Thawing of frozen induced pluripotent stem cells (iPSC) and plating on 6-well plate with MEF feeders and in the media appropriate for propagation under the feeder-dependent conditions.
2. Expansion of iPSC in cell aggregates with appropriate passaging reagent on MEF feeders.
3. Gradual adaptation and expansion of iPSC in the media appropriate for propagation under the feeder-free conditions.
4. Regular inspection of population of iPS colonies under the both sets of conditions for spontaneous differentiation.
5. Freezing iPS cell aggregates by the slow rate freezing protocol. Two to three frozen vials and/or live culture of cells will be given to the investigator.

Depending on the quality of frozen cells received from the investigator, recovery and expansion may take from two weeks to two months. For services requiring more than one month additional charges will be added.

Charges: \$900.00 per cell line

If requested, Core can also perform at the additional cost:

- Testing of iPS cells for pluripotency *in vitro* by immunofluorescence assay
- Testing of iPS cells for pluripotency *in vivo* (please see: "Teratoma" services)
- Mycoplasma testing is required for iPSC that were not generated by the Facility.

PI Name _____

Department _____

Account Number _____

Number of Clones _____

Date Received _____

Total Charges \$ _____

Notes:

X _____

UMMS Investigator

Date

X _____

UMMS TAMC

Date