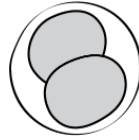


PRODUCTION OF 2-CELL EMBRYOS FOR ECP

In-vitro fertilization (IVF)

Total costs*: CHF 1700.-
IVF: CHF 850.-
Freezing: CHF 850.-

- Incl. 20 wild-type (wt) females.



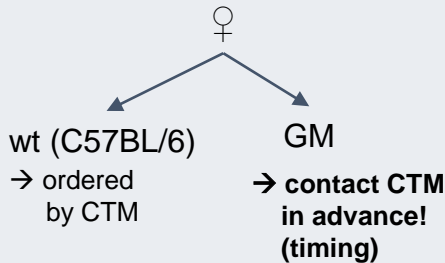
Natural Mating

Total costs*: CHF 850.-
Freezing: CHF 850.-

- Natural mating often requires multiple rounds to reach > 200 embryos.

2 genetically modified (GM) fertile males (2-8 months!) **10-20**

10-20 fertile females



- Mice are synchronized and mated by researchers, coordinating the timing with the CTM.

For reproductive cycle synchronization, the optimal age for IVF using wt females is **21 days or 6-10 weeks**. Wt females will be ordered at this age.
Embryo freezing using modified females needs to be planned accordingly

Timing for IVF:

Mo. 18h 100 µl HyperOva
Wed. 18h 100 µl hCG (5 IU-i.p.)
Thu. 9h IVF
Fr. 9-11h freezing embryos

Timing for natural mating:

Mo. 11h 100 µl PMSG (5 IU-i.p.)
Wed. 11h 100 µl hCG (5 IU-i.p.)
+ add males
Fr. 9-11h flushing oviducts
+ freezing embryos at CTM