Instructions for Superovulating Mice for Embryo Cryopreservation

What you need:

5-10 proven stud males (best between the ages of 3-6 months)

10 female mice per session (best 4-6 weeks of age, mice ordered from an ARC-approved vendor are a good option).

The MGEF core will provide:

PMSG and HCG hormone aliquots for superovulating 10 female mice per session.

Schedule

Typically the core does embryo freezing on Fridays. For a Friday freeze date the schedule is:

Monday: Inject 5 units of PMSG IP per female at 3:00 PM

Wednesday: Inject 5 units of HCG IP per female 46-48 hours later. Immediately after HCG injection pair up male and female mice.

Thursday: Check for plugs and place plugged and non-plugged mice in separate cages. Normally you should expect 8-10 plugged females.

Friday: Bring the plugged females to the Necropsy Room 1.104 in the ARC at 10:00. Arrangements will be made to collect oviducts at DPRI for investigators located there.