

## Bone Marrow Removal Technique

Materials: Cork board, tools, screens, 1 cc syringes, 25 ga needle, 70% alcohol, ice tray, medium, tubes, petri dishes, mice from USE room

### Procedure:

1. Sacrifice mice with ether, CO<sub>2</sub> or breaking neck.
2. Place mouse on ventral position, pin mouth and forepaws on board.
3. Rinse mouse legs with alcohol. Cut skin and peel off legs.
4. Separate muscle tissue from bones using scissors to tease apart connective tissue. Strip femur first, tibia last.
5. Separate both bones at the knee joint (patella). Cut the tibia at juncture with foot. I
6. Using the ice tray, wash bones thoroughly in media in petri dish. Use a razor blade to clear bones of all external tissue.
7. Fill syringe with medium and insert needle into marrow (holding bone with forceps). Flush bone with media, pushing the marrow out and through a previously rinsed (media) screen.
8. Make a single cell suspension by pipeting (Pasteur)
9. Centrifuge at 1,000 rpm for 15 minutes.
10. Resuspend cells in media.