

Tamoxifen Preparation

Materials:

- Tamoxifen (SIGMA: T-5648)
- Corn oil (SIGMA: C-8267)
- 37° C incubator
- 42° C incubator
- Rocker
- Vortexer
- Scintillation vial
- 5 ml syringe
- 18 G needle
- Animal Feeding Needles (Popper; cat No. 9921, size: 20GX1.1/2)
Can be purchased from Fine Scientific Tools
- 20 mg/ml final concn

Procedure:

1. Place 5 ml of corn oil in scintillation vial.
2. Heat corn oil in 42° C for 30 min. In the meantime, take the Tamoxifen out and equilibrate at RT before weighing.
3. Add 100 mg Tamoxifen into the pre-heated 5 ml corn oil (20 mg/ml final concentration).
4. Wrap vial with aluminium foil.
5. Place on a rocker at 37° C for several hours.
6. If Tamoxifen is not going into solution you can vortex frequently and break clumps using a 5ml syringe with 18 G needle.
7. Place at 4° C - good for up to one month.
8. Method of administration: we administer the Tamoxifen to live mice using the gavage technique. For gavaging we use the animal feeding needles as indicated above.
The amount we administer can range between 1-7mg/40g mouse.