

# AQUATIC ZEBRAFISH CORE

## Bleaching 24hpf Eggs for Sanitation

Bleach eggs with 0.003% sodium hypochlorite (bleach) in E3 (egg water) made fresh at time of bleaching. **Add 178ul 8.25%(Stock) to 500 ml E3 (or add 35.6 ul bleach for each 100 ml E3)**

### Mandatory for eggs from outside sources

- Grow unbleached embryos from outside system in designated “Quarantine” incubator until they have been bleached, then they can be moved to the regular incubator.
- During the 5-minute incubation pour eggs/ E3+bleach in new dish in a clean space, exchange gloves afterwards. Use fresh lids for plates. (optional for CHOP core facility eggs)

### Bleaching Procedure:

1. Wipe surface of work area with 70% EtOH before working with plates.
2. Remove E3 from dish with pipette, syringe or vacuum suction. Add approx. 30ml E3+bleach, incubate for exactly 5 minutes. (At this time, you may transfer the embryos to a clean plate if necessary.)
3. Replace E3+bleach with E3, incubate for 5 minutes or longer.
4. Remove E3 and replace with E3+bleach, incubate for exactly 5 minutes.
5. Wash once at least 5 minutes with E3. Replace E3 with fresh E3 (or PTU).
6. Put fish in “clean” incubator designated for CHOP rm258 facility.
7. Add Pronase (amount depends on batch currently 60-100 ul per dish (approx. 30ml E3)). Incubate overnight, replace E3/Pronase the next morning with fresh E3 (or PTU).
8. Discard used petri dishes and wipe surfaces with 70% EtOH.