

# AQUATIC ZEBRAFISH CORE

## Euthanasia of Fish from 0-16 dpf

Embryos from 0-18 dpf can be euthanized with bleach directly.

- Collect embryos in beaker. Addition of Tricaine (MS222) is recommended before euthanasia. Use beaker with sufficient size to add at least the same amount of ice than water.
- Add ice to beaker and quickly swirl or mix to rapidly cool the water. This fast temperature change is important for quick and efficient euthanasia.
- Let fish sit in ice water for 10 minutes to ensure all fish are euthanized.
- → Euthanasia of fish can be “reversible” and fish can wake up from state of suspended animation. It is thus important that ice is still present before next step
- Add about 10% of dilute sodium hypochlorite (8% bleach, e.g. Clorox) and let sit overnight.
- Sodium hypochlorite should completely degrade carcasses overnight, liquid can be disposed in drain. If carcasses are still present dispose in carcass freezer (ARC 2nd floor).