

AQUATIC ZEBRAFISH CORE

Protocol for Collecting Embryos

- 1) Prepare for collecting embryos by gathering the following items: Two solid mating tanks-one filled with system water and one empty, an egg strainer, a squeeze bottle filled with system water, petri dishes, and marker.
- 2) To collect embryos from the mating cage, first lift the lid and slotted insert together and move the fish to the open tank with system water.
- 3) Next, pour the water and embryos through a strainer into the empty tank. Rinse the sides and bottom of the tank where the embryos came from to be sure that all are removed.
- 4) Using the squeeze bottle, gently rinse the embryos collected in the strainer to remove debris. Be careful not to rupture the embryos.
- 5) Turning the strainer upside-down on a slant, spray the back of the strainer to rinse the embryos into a petri dish. Label the dish with the strain, date of birth (the current date), and any other important information.
- 6) When finished collecting all embryos, put adult fish back into their tank(s) or into the genotyping tank.
- 7) Mating cages may be emptied down the sink and all parts should be placed on the cleaning cart next to the sink. Trays are to be rinsed with RO water and placed back under the table to dry. Use a squeegee to clear water from the table and a mop to dry the floor.
- 8) Always use a secondary container (ie. white bucket) to transport animals or any biological material. Bring the embryos up to the incubator in 1103c.