

Larval Propagation Shopping List

This list provides some examples of equipment or materials that are useful for larval propagation. However, this is not an endorsement as other vendors or materials may be equally useful.

Collecting spawn:

- Temporary underwater markers such as subsurface floats or flagging tape
- Underwater lights for marking general locations of parents colonies (not individual colonies)
- Collector tents with jars and extra lids (50-100 mL for small spawn amounts; 250 mL or 1000 mL for large spawn amounts)
- Large syringes (for gonochoric species that spawn separate egg and sperm cells)

Fertilization:

- Fat-separating pitchers and/or syphon tubes to remove and rinse excess sperm (larger volume is better): <https://amzn.to/2a01jtQ>
- Pipettes for transferring gametes among containers (plastic): <https://amzn.to/2y1ljdD>
- Squirt bottles for washing the walls of containers as egg cells tend to stick to the sides (larger volume is better): <https://amzn.to/2LI1M58>
- Dissecting microscope is very helpful for monitoring fertilization and development
- Marking tape of different colors if working with more than one species or have batches from successive nights

Larval culture:

- Size-specific nylon mesh for making sieves or other larval-containing needs: <https://bit.ly/2LHJ65C>
- Culture vessels of choice (coolers, buckets, off-the-shelf artemia culture cones, ocean pools)
- Water-changing tools (fat-separating pitchers, squirt bottles, sieves, siphoning tubes)
- Adequate high quality seawater (filtration beneficial, UV sterilization is even better)
- Dissecting microscope is recommended

Settlement

- Conditioned substrates (SCORE example): <https://bit.ly/2l15paX>
- Containers/bins for settlement

Outplanting & monitoring:

- Underwater epoxy (e.g. All Fix 2-part epoxy putty or Petit Splash Zone 2-part epoxy)
- Blue light dive lights (only vendor known): <https://bit.ly/2sY2ELb>
- Durable tags (e.g. cattle tags)



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