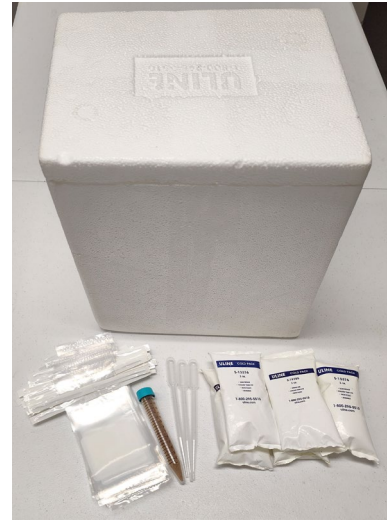


Culiseta melanura Submission Kit & Guidelines

| <u>Item</u> | <u>Number included in kit</u> |
|--|-------------------------------|
| Styrofoam Container | 1 |
| Ice Packs | 5 |
| Plastic pipettes | 3 |
| Whirl-Pak Bags | 30 |
| Tube of <i>Culiseta</i> diet (fish food, rabbit chow, & liver powder) | 1 |
| Ice barrier (cardboard) | 1 |

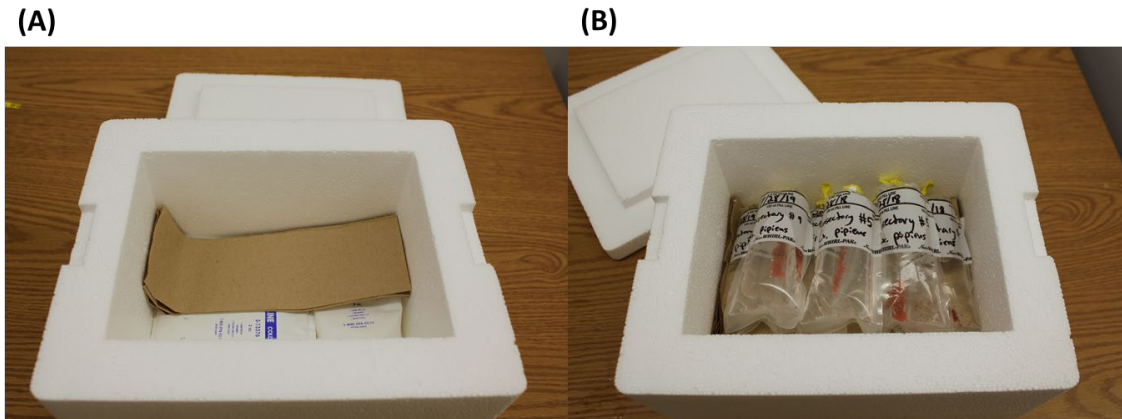
Larval Identification Key



Materials included in the kit

Submitting *Culiseta melanura* Larvae

- 1) Collect larvae from a known *Culiseta melanura* crypt habitat. Due to asynchronous maturation, at least 500 larvae should be submitted per assay requested to ensure that there are enough individuals of the same age. Larvae at different instars can be submitted together, but any pupae that are present should be removed before shipping. **If larvae will not be shipped immediately, collection containers should be mostly covered from light** and a small amount of *Culiseta* diet should be mixed into the water.
- 2) Remove 10-15 individuals from your larval collection container(s) using a **plastic pipette** and follow the [Larval Identification Key](#) to confirm the species. Larvae can be chilled in ice water or placed in 70% ethanol prior to identification to immobilize them.
- 3) Once ready to ship, place larvae into **whirl-pak bags** in groups of approximately 100 per bag. Fill each bag 75% full of purified water and add a sprinkle (about 100 mg) of *Culiseta* diet. Make sure there is a small air pocket at the top of the bag to allow larvae to breathe in transit. Tightly seal the whirl-pak and enclose it within a second whirl-pak to contain potential leaks.
- 4) Place the bags into the **styrofoam cooler** with frozen **ice packs**. Separate the bags from the ice packs using the provided cardboard divider to prevent direct contact between the bags and ice packs. Place cooler inside cardboard box and tape closed.



Ship the larvae (A) place ice packs in the bottom of the Styrofoam container and cover them with cardboard and (B) place whirl-pak bags in container.

- 5) Fill out the electronic **Specimen Submission Form** on our website at <https://www.neregionalvectorcenter.com/resistance>.
- 6) Ship to the address below **overnight Monday-Thursday** to ensure that packages do not arrive during the weekend when mail cannot be delivered to our lab. Once you have received a tracking number, please email it to us at pesticide@cornell.edu.

Primary Address

Harrington Lab
Cornell University
129 Garden Ave
3131 Comstock Hall
Ithaca, NY 14853

** If you require a Fedex number to send the package overnight, one may be obtained by contacting pesticide@cornell.edu. Please note, we cannot support shipping for all agencies, so please only request a Fedex number if necessary.*