



Checklist - Processing a Light Trap (LT)

Processing a Light Trap

- ☐ Notify site security of your intention to visit surveillance sites.

- ☐ Tap the white funnel to ensure any mosquitoes attached to the fan fall into the catch cup.
- ☐ Twist socking.
- ☐ Remove catch cup.
- ☐ Close the catch cup by folding the top socking over the catch cup top (while it is still twisted) or hold the stocking closed with a rubber band.
- ☐ Ensure the cup is labelled.
- ☐ Turn off CO₂ cylinder.
- ☐ Disconnect battery or power.
- ☐ Brush the white funnel and fan.
- ☐ Replace the catch cup with a new one (check the stocking is clean and has no holes or rips).
- ☐ Reconnect power. If using batteries swap for a fresh one.
- ☐ Check the light is on and the fan is running.
- ☐ Remove regulator from cylinder.
- ☐ Replace CO₂ cylinder with full cylinder.
- ☐ Attach regulator to cylinder.
- ☐ Turn on CO₂ cylinder.
- ☐ Refresh the Octenol dispenser by dipping the wick in it.
 - If you realise that either the battery or the cylinder last shorter or longer than usual, take in for service. The regulators can be sent in any time to NZBEL but should be at least once a year for calibration (0.4 l/hr).

Processing Adult Samples from a Light trap

- ☐ Empty sample into dish or white sheet of paper.
- ☐ **Remove** any **spiders, moths** or large non-mosquitoes.
- ☐ Put sample into tube with rolled up tissue paper (**no cotton wool**)
- ☐ Add label with PHU, location, unique identifier (sample number), sampler, date and site ID (the same as the database) written in **pencil** to tube.
- ☐ Put tubes in package to send to lab.
- ☐ A Put tubes in ziplock bag and package to send to lab.
 - ☐ Ensure that the samples are protected, either by using bubble wrap or a padded envelope.
- ☐ Add sample records to database (complete all the information required including weather and time).
- ☐ Send samples to the lab.

