

Method of Statement for Qista Mosquito Monitoring Traps Installation and Maintenance

Tools and Equipment

To execute the maintenance of Qista mosquito monitoring traps, the following tools and equipment are required:

- Qista key
- CO2 cylinder and regulator
- Black pipe for CO2 supply
- Olfactory lures
- capture nets
- Extension cord (220v compatible)
- Sponge
- Soapy water or multi-purpose household cleaner
- Clean water for rinsing
- Smartphone (for connected trap models)



Installation Steps

Trap Position

1. Select the Optimal Location:

- Place the trap in the area recommended in the implantation study to ensure optimal efficiency.
- Ensure you have an extension cord long enough to reach the selected installation area. The trap requires a household socket (220v).



Connecting the CO2

1. Access the Trap Interior:

- Use the Qista key to open the rear door of the trap.
- Plug the trap into the household socket.



2. Connect the CO2 Supply:

- Attach the regulator to the CO2 cylinder.
- Connect the black pipe from the Qista trap to the regulator.
- Adjust the flow of CO2 according to the manufacturer's specifications.

Setting Up the Lure

1. Insert the Lure:

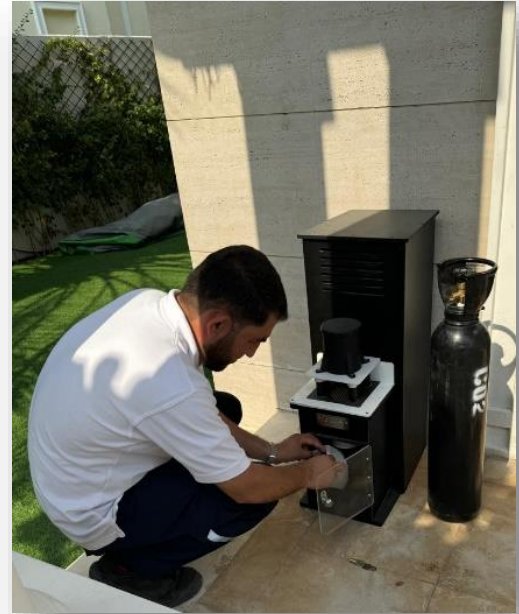
- Place the olfactory lure inside the trap.
- Replace the lure every 30 days as its effectiveness diminishes over time.



Installing the Capture Net

1. Attach the Capture Net:

- Secure the capture net in place for mosquito collection.
- Replace the net if it becomes damaged or develops a hole.



Cleaning the Trap

1. Routine Cleaning:

- Regularly clean the trap to ensure optimal functionality.
- Use a sponge and soapy water (or a multi-purpose household cleaner) to clean the exterior and interior surfaces.
- For heavily soiled traps, repeat the cleaning process.
- Rinse thoroughly with clean water and allow the trap to dry completely.



Operations and Maintenance ManualOperational

Steps

1. Attracting Mosquitoes:

1. Release CO₂ and the olfactory lure to attract female mosquitoes

Suction and Capture:

Once mosquitoes are close, the trap suctions them in and captures them.

2. Containment:

- Mosquitoes are contained within the capture net.

Operational Hours

- Common Mosquitoes: Operate from 5:30 to 11:00 a.m. and from 3:30 to 11:30 p.m.
- Tiger Mosquitoes: Operate from 7:00 a.m. to 10:00 p.m.
- The trap should operate for a minimum of 15 hours per day to ensure effective mosquito control and achieve an 88% decline in mosquito population.



Manpower

- **Team Composition:**
 - One Team Leader
 - One Technician

Machinery and Consumables

- **Consumables Replacement:**
 - Replace the olfactory lure and replace CO₂ every month or every two months, depending on the trap model.
 - For connected traps, monitor the status of consumables via the Smartphone application to ensure timely replacements



By following this method of statement, you can ensure that the Qista mosquito monitoring traps are installed and maintained efficiently, providing effective mosquito control.