



INSTITUT LOUIS MALARDE
Laboratory of Marine Biotoxins
BP30 Papeete Tahiti
98713 French Polynesia

STANDARD OPERATING PROCEDURE (SOP) - 1

Assembly of a window screen device

Version : 2.0

Review date : 11.07.2022

Authors: Dr Mireille CHINAIN & Dr Clémence GATTI

Page(s) : 1

Validation date : 22.07.2022

1/ List of equipments

- A lead weight of 0.5 kg, used as an anchor
- A monofilament fishing line or marine-grade rope of about 1m long, per set
- A plastic screw cap bottle of 250 mL used as a float
- A stainless steel swivel (size 2/0)
- A piece of fiberglass window screen of 15 x 10 cm (one per sample, not reusable)

2/ Window screen assembly:

The detailed procedure can be viewed on the video tutorial available online on the CIGUAWATCH platform : <https://ciguawatch.ilm.pf/ciguatera-environmental-monitoring-methodology-2/>

- Using the rope, connect the float, screen mesh and anchor as follows:
- Tie the rope to the weight
- Attach the float on the other end of the rope using a sliding knot
- Screw the cap on the plastic bottle.
- Fix the swivel on the rope, at about 35 cm from the weight and 20 cm from the float
- Clip the swivel onto one corner of the window screen mesh

3/ Hints

- The lead weight can be replaced by a bottle filled with sand, or a rock
- The 250 mL plastic bottle can be replaced by a polystyrene float or an empty bottle
- The float should be positioned subsurface
- Bright color paints can be used for an easier localization of the WSs in deployment sites
- Do not hang the swivel too close to the edge of the screen to avoid tearing of the WS mesh