

@lgawarning

A tool for monitoring harmful algal blooms!

Seawater sampling – kit DIPLÉ

- Remove the stage and switch on the light source
- Replace the stage on the support and position the counting chamber on the stage above the light
- Use the provided pipette to collect a small amount of seawater (1 ml)
- Place the water sample on a glass slide and cover with a cover slip
- Position the objective lens (grey or red) in place



1. Box: container and support structure for the light source and stage
2. Precision stage: stage for the counting chamber/slide, allowing precise movement of the sample under observation
3. Objective lens
4. Light source: LED light with battery
5. Sedgewick-Rafter counting chamber
6. Plastic pipette
7. Adjustable smartphone holder
8. Lens-cleaning cloth
9. Screwdriver



1. Mechanical screws for moving the sample chamber
2. Supports for the sample chamber
3. Spacer
4. Housing for the focus screw
5. Hole for the light source

Sample reading – @lgawarning APP

- Activate GPS on your smartphone and open the @lgawarning app
- Create a new post by tapping the relevant icon
- Enter the location, sampling date, and any additional information in the dedicated box (e.g., sea conditions)
- Tap “Continue”
- Add an image by accessing the smartphone camera directly through the app
- Position the smartphone for image capture, ensuring the camera aligns properly with the lens. For optimal algal images, it is recommended to disable flash, autofocus, and any camera filters
- Adjust focus using the lens’s micrometric screw and control magnification with the camera’s digital zoom
- Once the sample is correctly displayed, take a photo and create the report
- Add any additional details to the report and submit it by tapping “Send”
- You can count the individual elements by tapping each one in the image; if different cell types are identified, you can select a different marker colour
- Reports are displayed on the map and in the list, where they can be reviewed



Which algae did you photograph?

To find out which alga you sampled, tap “Discover Which Alga It Is” and take the quiz! You will gain valuable information about your sample!