

# Puroxi Algae Bottle Test

PABT-001 | Testing | Intended for: Customer

## Purpose and limitation

The bottle test is a simple field observation that may help distinguish a buoyant cyanobacteria-dominated bloom from other suspended algae or material. It is not a species identification, toxin test or water-safety determination.

## Safety

- Avoid skin contact with a suspected bloom. Wear gloves and eye protection.
- Keep children and animals away from the sample.
- Do not smell, taste or open a pressurized or warm sealed bottle.
- If harmful algae are suspected, use a qualified laboratory for identification and cyanotoxin testing.

## Sampling procedure

- Use a clean, clear, sealable bottle. Rinse it with source water if the laboratory has not supplied a dedicated container.
- Collect representative water just below the surface without concentrating only the thickest scum. Note the GPS position, date, time, weather and water temperature.
- Fill enough to observe the water while leaving a small air space. Seal, label and photograph it against a light background.
- Place the bottle upright and undisturbed in a cool, shaded location. Do not leave it in a hot vehicle or direct sun.
- Photograph after approximately 30 minutes, 2 hours and, if needed, later the same day. Record whether material concentrates at the top, remains dispersed or settles.

## Interpreting the observation

- A surface-concentrating layer can be consistent with buoyant cyanobacteria, but laboratory confirmation is required.
- Material that settles may be consistent with other algae, diatoms, sediment or organic matter.
- Mixed behaviour is common and may represent more than one organism or suspended material.
- Send Puroxi the photographs, site information and any laboratory identification.

**Do not use this observation to declare water safe, approve recreation or choose a treatment dose.**