

156-D30 Periphyton Sampler

Introduction:

Periphyton are microorganisms growing on submerged surfaces and are a good indication of comparative water quality. They can be difficult to collect from natural surfaces, however. The Wildco® Periphyton Sampler is a floating artificial substrate sampler that solves this problem.

The removable tray holds up to eight sets of two microscope slides. It is snapped into a wire frame that has two polyurethane floats. It is placed in a stream reservoir or lake at any depth for sampling algae, zebra mussels or other growth.

The Wildco® Periphyton Sampler is recommended by name in Section 10-32, Standard Methods for the Examination of Water and Wastewater, 20th edition.

Replacement trays with glass slides, replacement slides, and replacement trays are available in cost-saving bulk packs (see below). Nylon bristle or stainless steel bristle periphyton brushes are also available and are useful for removing organisms from rocks and other aquatic substrates. Periphyton brushes are recommended in the field protocol of the USGS.

Additional Materials Required:

- Line
- Anchor
- Replacement Glass Slides

Warranty and Parts:

We replace all missing or defective parts free of charge. All products guaranteed free from defect for 90 days. This guarantee does not include accident, misuse, or normal wear and tear.

Operating Instruction:

1. Attach a line and a weight to the frame. Three points on the frame permit a selection of attachments for anchorage.
2. Snap the tray ends under the ends of the frame and place single or pairs of microscope slides in the vertical grooves in the tray.
3. Float the sampler in the water with the attached line and weight. If there is a current, position the deflector facing the current.
4. The sampler should be left in the water for a two-week period. Exposures of more than two weeks may result in loss of material due to sloughing. Trays can be changed easily at any time.

Accessories:

The following accessories are available directly from Wildlife Supply Company® and orders may be placed at www.wildco.com. You may also phone, fax or e-mail for more information.

- 156-G10 Replacement slides *only*, Pack 16
 156-F40 Nylon bristle periphyton brush

Sampler Maintenance:

After sample removal, wash the Periphyton Sampler with mild soap and soft water. Rinse well and store dry.

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