

1831-F10 Folsom Plankton Splitter

Warranty and Parts:

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Intended for children 13 years of age and up. This item is not a toy. It may contain small parts that can be choking hazards. Adult supervision is required.



Parts List:

032312	Instructions
007615	Level
053915	Wheel Assembly
018144	Uprights (2)
032310	Base Assembly
018148	Leveling Foot (4)
018141	Tray Assembly (2)
20-1328	1-1/4" Self-tap Screws (4)

Introduction:

The Wildco® Folsom Plankton Splitter is designed to provide a quick, precise method of dividing a plankton sample into two equal parts. Our 0.5 liter standard splitter comes with bubble level indicator, four adjustable leveling feet, a removable acrylic splitter drum and two removable Vivak® trays. Vivak® is a transparent alcohol resistant plastic. An alcohol base sample should be split immediately because the drum is not very resistant to alcohol.

This splitter was developed by Dr. Folsom of the Scripps Institute of Oceanography.

Related Products:

Wide-bore **Hensen Stempel Pipettes** can be used to sub-sample once your sample has been split. They are available with and without springs and are 1 - 2 mL; 5 - 10 mL; and 25 - 50 mL in size.

Pipettes without springs are available in 1 - 2 mL and 5 - 10 mL.

Pipettes with springs are available in all three sizes.

Please contact us for more information. or to request a free catalog.

How To Assemble:

1. Gather the four self-tap screws, the white PVC base, and the two white PVC uprights.
2. Attach the uprights to the base using the self-tap screws (you will need a **Phillips screwdriver**). You may want to add a dab of telon or silicone grease to the screw threads to ease insertion. The uprights should attach to the side of the base with the stop. The underside of the base will have four countersunk holes for the screws. Make sure that the slots at the top of the uprights face toward each other.
3. Put the two trays in between the uprights.
4. Place the wheel on top of the uprights.
5. Level the base using the bubble level on the top surface of the base. The bubble level comes with self-adhesive tape so you can mount it where you wish.

Warning:

Do not use chemicals such as acetone, ketone and alcohol for cleaning the splitter. The use of these may cause cracking and/or crazing.

Sampler Maintenance:

For best results, wash the splitter with mild soap and soft water. Rinse completely with distilled water before drying.

How To Use:

1. Place a measured volume of a plankton sample into an undivided section of the rotating splitter drum.
2. Divide the stirred sample by the separating blade during 120° rotation of the drum.
3. Rotation continues until all of the sample is poured into two deep removable trays or boats.
4. Rinse splitter into the subsamples. Return the contents of one to the splitter drum for further subdividing.
5. Add water as needed to the sample as subdividing is repeated.
6. Guard against biased splits. Although this device is well known and provides reliable results, do not assume your subsamples are unbiased. Count animals in several subsamples from the same sample to verify that the splitter is unbiased and to determine the sampling error introduced by using it.

Reference: Section 10-17, "Zooplankton Counting Techniques" from Standard Methods for the Examination of Water and Wastewater, 20th Edition.

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