



Droso-Filler

Operating Instructions

**Thank you for your purchase of the fastest
most convenient Drosophila vial/bottle food filler**



Attaching the handle

1. Unwrap the filler handle and long Phillips driver located in the filler trough.
2. Carefully remove the 4 screws on the front plate.
3. Lift the front plate off.
4. Remove the pin from the handle.
5. Slide the handle between the 2 brackets and through the lower plate hole. Reattach the pin through the bracket and handle holes.
6. Reattach the front plate.

Preparing to use your Droso-Filler

1. Slide in a tray of vials/bottles, adjust the "tray backstop" by loosening the wing nuts. The vial/bottle openings should be centered over the holes in the filler trough. Remove the tray of vials/bottles before proceeding to step 2.
2. Immerse or run hot water over the filler. This will help prevent the food from cooling to rapidly in the trough. Alternatively, the filler can be run through your lab glassware washer. The high temperature will have the best effect on the Teflon slider which heats more slowly than the steel. Remember to wear gloves when removing the filler.
3. Place the filler on a firm solid surface. The enclosed tacky mat will keep the filler from sliding on slippery surfaces. Be sure all trays of vials are unwrapped and stacked ready.
4. If you are using the bottle filler, be sure to use the tray that properly fits 25 square bottom bottles. It is best if you use Genesee Scientific wide trays (cardboard or plastic).
5. Before filling the reservoir with food get a feel for opening/closing the slider. Place one hand on the handle, the other on the back of the filler for stability. Open/close the slider in a firm quick motion. Filling a tray of vials with approximately 10ml of food will be accomplished in about 1 second!
6. Be sure to thoroughly mix the fly food. Any clumps will block the filler holes. If this happens don't worry, just rinse out the trough and start over.

Expected Performance and Clean Up

1. 0-20% variable fill accuracy from vial to vial – bottle to bottle
2. Fill up to 6 trays of vials or 4 trays of bottles from a full reservoir of food
3. The Droso-Filler is made from food grade stainless steel with a Teflon sliding plate. It is totally immerse-able and even autoclavable.
4. Let the filler soak in warm/hot water for 15 minutes or longer.
5. Using a little dish detergent clean the filler with a soft non-scouring brush or nylon sponge. While cleaning, operate the handle several times to remove any food stuck in the slider plates. Also turn the filler upside down to clean around the bottom plate and the screws/springs/"O" rings
6. Rinse thoroughly, again using the handle to open/close the sliding plates.
7. Drip or towel dry.

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