

Optirat Plus SOP - Filter Media Replacement



Front demonstration video



Rear demonstration video

The four front and side Optirat Plus filters each have four components: a retainer, a coarse stainless screen, a filter medium, and a fine stainless screen. The rear filter has three components: a rear filter cover, a filter medium, and a fine stainless screen. The inner screens have a formed shoulder, while the coarse screens are flat. Animal Care Systems recommends **replacing cage filter paper every 70 heat sterilization cycles**.

The replacement requires a Phillips-head screwdriver.

Rear Filter Cover Removal

1. Set the top on a flat surface with the rear filter cover facing you.
2. Press on each blue clip wing until the cover pops up (Figure 1).
3. Swing the cover back, lift it up, and set it aside.



Figure 1

Rear Filter Replacement

1. Remove the used filter medium. The fine screen remains.
2. Seat the new filter medium into the two top corners atop the fine stainless screen (Figure 2), and then position the cover back onto the hinge point.
3. Fold the filter medium down against the fine mesh (Figure 3), and steady it as you slowly close the cover while withdrawing your hand (Figures 4 and 5). Press firmly at the top of the cover until a snap sounds.
4. The perimeter of the medium should have no gaps (Figure 6). To correct gaps, re-open the cover, and repeat Step 3.



Figure 2



Figure 3

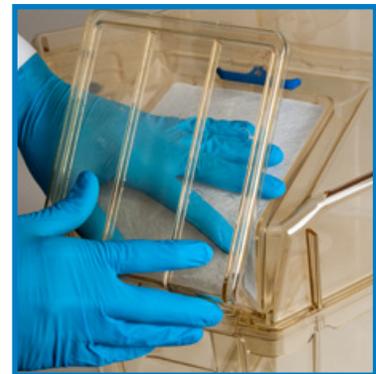


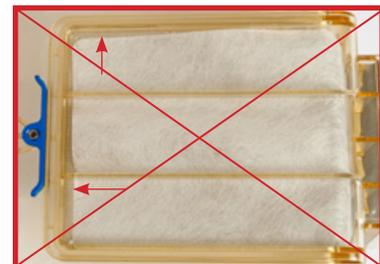
Figure 4



Figure 5



Figure 6



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Front and Side Filter Replacement

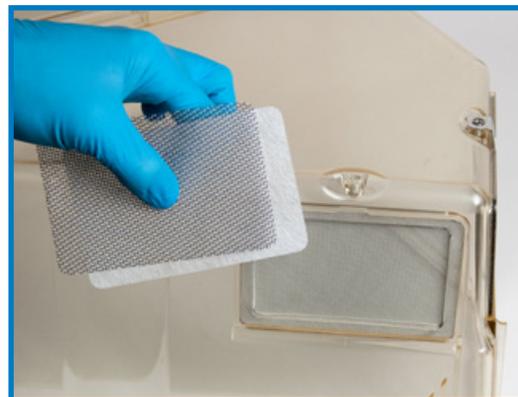
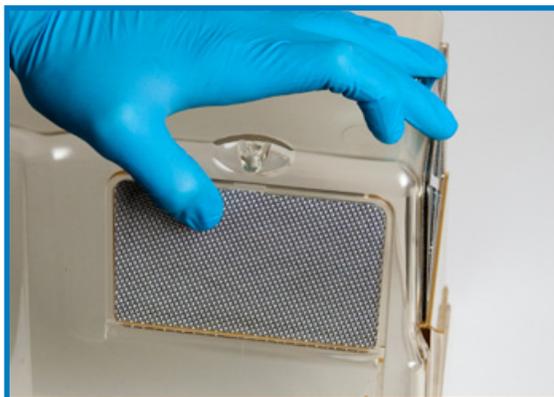
1. Flip the cage base upside down.
2. Remove the screw that holds the retainer using either a power drill or a Phillips-head screwdriver.
3. Gently lift the retainer arm up, and remove the retainer.



4. Push the filter components from within the cage to remove the coarse stainless screen and used filter medium. Discard the used filter medium.



5. Place the new filter medium and then coarse stainless screen into the recess of the filter opening opposite the screw hole. The fine stainless screen **must** face the interior of the cage. If the screen positions are reversed, filter damage will result.



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6. Position the retainer down into the recess, and then press on the arm to snap it into place above the screw hole.



7. Position the screws onto the holes, and then carefully thread them and tighten them using a Phillips-heads screwdriver. The threads become tight at the end, so additional pressure is necessary to fully tighten.



Do not use a power drill to reinstall the screws.



8. Repeat Steps 2 through 7 for the other three front and side filter assemblies.