

Changing the Microscope Mercury Bulb

Make sure the bulb is cool.

WEAR GLOVES! Oil residue on the bulb from your skin and hair might ignite.

1. Remove the bulb case from the back of the microscope.
 - >Use the small screwdriver kept in the light regulation wing of the 'scope
 - >WHILE SUPPORTING THE BULB CASE, loosen the two screws at the junction between the microscope and the case. The screws will catch and cannot be removed entirely.
2. Set the bulb case on a table and loosen the screw attaching the grill to the case.
3. Carefully remove the bulb support from the case.
4. Loosen the screws holding the bulb in place.
5. Open the hinged flap to remove the bulb, supporting it by its metal base. *Avoid touching the glass.*
6. Insert new bulb exactly as old bulb was inserted. Ensure it is inserted fully into the metal termini before tightening the screws. Tighten the screws snugly, enough that the bulb cannot spin.
7. Re-tighten, re-place, and re-screw everything else, in reverse order.
8. Reset the mercury counter using the small button to the right of the display screen. Start a new line on the signup timesheet and write "new bulb."
9. Turn on the bulb and let it run for ~5 hours before aligning it.

Disposal

Place the old bulb in the new bulb's box.

Arrange for EHS to pick it up for special disposal.