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Goal: Reassess algae cultures

Materials

- Algae bioreactor
- Microscope
- Slides and coverslips
- Pipet
- Sterile cotton swabs
- Ethanol disinfectant spray

Protocol

- Disinfect surface and tools with ethanol spray
- Remove each culture from bioreactor
- Gently agitate algae cultures to suspend algae
- Remove sample with pipette
- Observe under microscope
- Use sterile cotton swab to observe growth/cloudiness in bottles under the microscope

Results

- S. micro
 - Cells present
 - Mostly still and in clumps
 - Black circles in cells
 - Low concentration
 - Cloudy stuff in bottle looks like bacteria (from swab)
- D. Tert
 - Cells present
 - Green color
 - Cells still unlively
 - Low concentration
- O. marina
 - No live cells present
 - Looks like only pieces of cells left

Conclusion

- Cultures do not look good
- The remainder of the subcultures look better than these
 - Except O. marina
- Will start over with remainder of starter cultures
 - Will start with smaller volume to keep track of counts