

Incubator Maintenance and Calibration

Check the water pans

1. Open the outside incubator door.
2. Look at the water pan.
3. If water level is low, add more water to the pan.

Cleaning the Incubators- Once a Month

1. Take all the cells from one incubator and put into the other.
2. Take out the shelves, walls and water pan.
3. Wash the shelves, walls and water pans with Spitfire.
4. Autoclave the shelves and walls.
5. Inside the incubator, wash with Spitfire. Then rinse and apply a coat of Biocidal ZF spray disinfectant.
6. Replace the filters if necessary (about 1-2 times a year)
7. After the walls and shelves are autoclaved, put them back in incubator.
8. Add new water to the water pan, with a splash of Lysol No-Rinse Sanitizer.
9. Put the water pan into the incubator.
10. Move all the cells from the second incubator to this one, spraying the outside of the flasks with Biocidal ZF.
11. Repeat the cleaning process for the second incubator.

Calibrating the Incubators

1. Familiarize yourself with the BACHARACH CO2 Analyzer's instruction manual. The CO2 Analyzer and manual are located in the drawer in B36
2. Charge the Analyzer, and make sure the battery is full.
3. Turn on the Analyzer.
4. Press the fl button and let it sit in an open corridor for five minutes.
5. Follow the instructions for calibrating the Analyzer.
6. Attach the tube to the sample port on the first incubator.
7. Turn on the pump and allow the CO2 reading to become stable.
8. If the reading is not at 5%, then push the "mode" button on the incubator until it gets to "Calibrate". Then push the arrows below the screen until it says CO2 cal.
9. Move up and down arrows until the reading for the incubator matches the Analyzer reading the push enter.
10. Return to the "Run" mode.
11. Wait for the incubator to have a stable CO2 reading of 5% again.
12. Check to see if the Analyzer says that it is indeed 5%. If it does then the incubator is calibrated, turn off the pump on the Analyzer and remove the tube from the sample port.
13. If not, repeat the calibration process until the incubator and the Analyzer read 5%.
14. Repeat this process for the other incubator.