

## Analyzer Cleanup & Reset

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### Summary

As a shared resource, all instruments must be treated with care and respect. This includes cleanup after each and every use. See below for specific cleaning instructions for each instrument.

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### NovoCyte A, B

1. Cleaning must be done at the end of EVERY appointment.
    - a) Click Instrument → Rinse.
    - b) Click File → Log Out
  2. Sheath Tank does not need to be topped off as the box is refilled by the staff each day.
  3. Waste Tank does not need to be emptied. The flow core staff will empty it each day.
  4. Notes
    - If you were using unfixed human samples or BSL-2 samples:
      - a) Instead of clicking Rinse, click Clean. It will take about 20 minutes to complete. You may log out while it cleans.
      - b) Wipe down workspace and controls with 70% ethanol.
      - c) Open the waste container and add 100% bleach to create a final concentration of 10% bleach in the waste container. Bleach must sit in waste container for at least 20 minutes, so don't dump it.
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### LSR II A, B, C

**Warning: Do not load FACS tubes which are more than 50% filled. The instrument will fail to operate until it is taken apart and fixed.**

1. Cleaning must be done at the end of EVERY appointment.
  - a) Load a FACS tube with 10% bleach and allow to aspirate for at least 30 seconds with the support arm to the side.
  - b) Center the support arm and RUN the tube of 10% bleach on HIGH for 1 - 2 minutes.
  - c) Load a FACS tube with DI water and allow to aspirate for at least 30 seconds with the support arm to the side.
  - d) Center the support arm and RUN the tube of DI water on HIGH for 1 - 2 minutes.
  - e) Put the instrument on STANDBY.

2. Sheath Tank must be topped off at the end of EVERY appointment.
  - a) Making sure the instrument is on STANDBY, lift the handle attached to the lid of the stainless steel sheath tank.
  - b) Depressurize the sheath tank by pulling up on the pressure release. The fluid and air lines do not need to be disconnected.
  - c) Remove lid and set aside, taking care not to lose the black O-ring attached to the lid. If it falls in the tank, please ask for assistance in retrieving the O-ring.
  - d) Fill to the upper weld line with sheath fluid. And replace lid, making sure to lock it down using the handle.
  - e) Check that the tank is repressurizing by testing the pressure valve. If not, check that the lid is replaced correctly with the O-ring intact, and that the air and pressure lines are properly connected.
3. The waste tank must be emptied only if it over half-full.
  - a) Making sure the instrument is on STANDBY, lift the unscrew the lid of the waste container by holding it in place and rotating the waste container. Be careful not to twist or kink the waste line.
  - b) Carefully empty the waste container into the sink, taking care not to splash.
  - c) Add enough 100% bleach to cover the bottom of the waste container (about 200ml).
  - d) Re-attach lid to waste container.
4. Notes
  - If you were using unfixed human samples or BSL-2 samples:
    - a) Extend cleaning time to 15 minutes, instead of 1 - 2 minutes.
    - b) Wipe down workspace and controls with 70% ethanol.
    - c) Open the waste container and add 100% bleach to create a final concentration of 10% bleach in the waste container. Bleach must sit in waste container for at least 20 minutes, so don't dump it.

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## LSR II D

**Warning: Do not load FACS tubes which are more than 50% filled. The instrument will fail to operate until it is taken apart and fixed.**

1. Cleaning must be done at the end of EVERY appointment.
  - a) Load a FACS tube with 10% bleach and allow to aspirate for at least 30 seconds with the support arm to the side.
  - b) Center the support arm and RUN the tube of 10% bleach on HIGH for 1 - 2 minutes.

- c) Load a FACS tube with FACS Rinse and allow to aspirate for at least 30 seconds with the support arm to the side.
  - d) Center the support arm and RUN the tube of FACS Rinse on HIGH for 1 - 2 minutes.
  - e) Load a FACS tube with DI water and allow to aspirate for at least 30 seconds with the support arm to the side.
  - f) Center the support arm and RUN the tube of DI water on HIGH for 1 - 2 minutes.
  - g) Put the instrument on STANDBY.
2. Sheath Tank does not need to be topped off as the box is refilled by the staff each day.
  3. Waste Tank does not need to be emptied. The flow core staff will empty it each day.
  4. Notes
    - If you were using unfixed human samples or BSL-2 samples:
      - a) Extend cleaning time to 15 minutes, instead of 1 - 2 minutes.
      - b) Wipe down workspace and controls with 70% ethanol.
      - c) Open the waste container and add 100% bleach to create a final concentration of 10% bleach in the waste container. Bleach must sit in waste container for at least 20 minutes, so don't dump it.