

Changing FACSCalibur1 FACSFlow Supply System sheath and waste cubes

***** ALWAYS TELL US WHEN YOU ARE CHANGING THE TANKS. *****

Visit us in room 4310, or send an email to crm.flow.cytometry@gmail.com .

*Anytime you change the Waste cube you must also change the Sheath cube. Always use a completely empty cube to replace the Waste cube. If the Waste cube is full but the Sheath cube is not empty, let us know - we will give you an empty Waste cube.

If you do not understand this, please ask for help.

1. **Set FACSCalibur fluidics to STANDBY. Turn off the FACSFlow cart.**
Use the green switch on the right-hand side of the cart.
2. **Get a full Sheath cube.** We keep them in the flow cytometry core facility, room 4310.
3. **Remove the empty Sheath cube.** Unscrew the probe and set it on top of the FACSFlow cart. Be gentle with the probe. It is long and easily bent. Label the empty Sheath cube **WASTE**. This is your new empty Waste cube.
4. **Place the new full Sheath cube in position.** Open the full Sheath cube and set the white plastic screw-cap aside for step 5. Slide the long metal probe into the full Sheath cube and screw it in tightly.
5. **Remove the full Waste cube.** Label the full Waste cube **FULL WASTE**. Unscrew the waste connector and remove the black support collar. Set connector and collar on top of the FACSFlow. Cap the full Waste cube with the white plastic screw-cap. Be sure the cap is on tight! **You must bring the full Waste cube to the core facility, room 4310.**
6. **Place the empty Waste cube in position.** Screw the waste connector onto the opening and slide the black support collar into position.
7. **Turn on the FACSFlow cart.**
8. **Bring the full and labeled Waste cube to room 4310. Do not leave the full Waste cube by FACSCalibur1.** Place it to the right of the waste barrel. Tell us that it is there, and we will take care of it.

Cleaning the HTS after running plates

1. **Bring a blank plate with you to finish your run.** Fill A1-A4 with **FACSRinse (Green bottle)**. Fill B1-B4 with **Water (Blue bottle)**. In the Plate Manager Software, run Daily Clean.
2. Once Daily Clean is complete, unplug the **white Sheath connector** from the back of the HTS, and plug the **white extender tube** into its place. (Found in the drawer below the HTS).
3. In the Plate Manager Software, PRIME five times.
4. Disconnect the **white extender tube** and reconnect the **white Sheath connector**.

Questions or problems? Just ask!

E-mail crm.flow.cytometry@gmail.com

or visit us in room 4310, Monday-Thursday 9AM-10PM, Friday 9AM-5PM.