**ACEA NovoCyte Quanteon Standard Operation Protocol**  
**Machine Startup and Shutdown Procedures (For Experienced users only)**

**Machine Start up:**

- Refill the sheath tank and empty waste tank if necessary, make sure all the tubing are connected properly.
- Press the POWER button on the equipment.
- Switch on the computer.
- Double click the **NovoExpress** and login with **“0cleaning”**.
- Wait until the status bar shows **“Ready”**
- Load a tube of well-prepared QC beads (400ul PBS/Novoflow + 100ul NovoRinse + 1 drop of stock solution) at the **A1** position of the 40-tube rack.
- Select **“40-tube rack”** in the **plate manager**.
- Click **“QC Test”** under **Instrument Tab**

![QC Test](image)

- Check the bead **lot number** and click **“Next”** to proceed.
- Click **“Run”** and **“OK”**
- Once the QC test is finished, click **“Report”** to see the QC test result. Make sure ALL channels are shown **“Pass”***. Click **“Finish”** to close the Report window.
- Remove the QC beads from the rack and store at 4C fridge.
- Log out from the 0Cleaning account and log in to your own account for sample acquisition.

*If some parameters could not pass CST test (shown Acceptable or Failed), perform regular system cleaning cycle then re-run QC test with freshly prepared QC beads.

**Machine Shutdown:**

- After running through the whole process of machine cleaning, press the POWER button on the equipment to start the shutdown process.
- Exit the NovoExpress software and Shutdown computer.
- Once the indication light of the equipment if off, refill sheath and discard the waste.
**Refill Sheath Container**

1. Disconnect the fluid line from the sheath container (Novoflow) and remove the tank from the tank station.
2. Unscrew the lid.
3. Pour 1 bottle of 100X Novoflow into the tank.
4. Add 2L autoclaved DI water to the sheath container.
5. Screw lid to finger-tight.
6. Reconnect the fluid line.
7. Please pay attention to fluid line to make sure it is not twisted or stretched.
8. Click “Priming” under **Instrument** tab.

![Instrument Tab with Priming Option]

**Empty Waste Tank**

1. Disconnect the waste tubing from the waste container.
2. Take the waste tank to the sink.
3. Remove the lid of waste tank.
4. Empty the waste container.
5. Add approximately 0.3L of bleach to the waste in which it could cover the bottom layer of the container and tighten the lid.
6. Reconnect the waste tubing and put the tank back to the waste compartment of the tank station.