

## ThermoFisher Attune NxT Maintenance Guidelines

1. Log into windows with your RUNet login name and password
2. Double click “**Attune NxT Software**” on the desktop and login with your username and password
3. Check “**Instrument**” menu on the top. If the instrument is **OFF**, only “Startup” icon is active and other buttons are inactive. If the instrument is **ON**, please go to step 5
4. Select “**Startup**”. **Unload** tube from the tube lifter and discard; **take out the 96-well cleaning plate** from the autosampler and close the door. Startup procedure takes approximately 5 min
5. From “**Instrument**” menu, select “**Sanitize Attune SIP**”. Follow the wizard: load a tube of 3 ml of **10% bleach** on the holder and raise the tube lifter. When finish unload the tube and discard
6. Run “**Sanitize Attune SIP**” again with **MQ water**. Discard the tube after finish
7. From the main page, select “**New Experiment**” to start a new experiment; or “**Import Experiment**” to open an old experiment to duplicate; or “**New Experiment from a Template**”
8. Run your experiment
9. When you are done, **export the experiment** and **FCS files** to “T:\ your folder”. Copy data to your CFS folder on RU SharePoint for storage
10. **Delete** your experiment and data from Attune software, and from “T:\your folder”
11. Before you leave FCRC please perform **Instrument Shutdown**. Check PPMS Schedule to decide whether to do “**Thorough Shutdown**” (~ 75 min) or “**Standard Shutdown**” (~60 min):
  - If you are the last user of the day, do “**Thorough Shutdown**”. From “Instrument” menu select “**Thorough**” from “**Shutdown**” drop off menu. Load a tube of 3 ml of **10% bleach** on the holder and raise the tube lifter. Rinse the **first 3 wells** of the 96-well cleaning plate with MQ water and put it into the autosampler. Select “Next” from the “Shutdown” wizard
  - If someone is signed up after you, do “**Standard Shutdown**”. From “Instrument” menu select “**Standard**” from “**Shutdown**” drop off menu. Procedure is the same as Thorough Shutdown
12. **Log out** and **close** the Attune software. **You don’t have to wait until the “Instrument Shutdown” procedure is finished**
13. Please be sure to **logoff Windows** before you leave FCRC. Otherwise in 10 minutes Windows will automatically lock the session under your name and will prevent other researchers from usage of the instrument

**Note:** Please report all the problems / concerns to FCRC Staff:

**During business hours** — Go to FCRC office and tell the FCRC staff member

**After hours** — Leave the note on the instrument's keyboard and perform Instrument Shutdown if possible. Fill up [FCRC Problem Report Form](#) on FCRC website and FCRC staff member will get back to you as soon as possible