Emory Pediatrics/Winship Flow Cytometry Core Updated: 4 March 2021

Flow Core Tasks Version: 1.01

Lab Daily, Weekly, Monthly and more Tasks

Daily

- 1. Startup and QC all booked analyzers (including Winship).
- 2. Remove any trash from lab areas.
- 3. Top up 70% ethanol bottles.
- 4. Wipe down benches with 70% ethanol.
- 5. Wipe down Keyboards with 70% ethanol.
- 6. Top up any sheath tanks with PBS.
- 7. Top up both Cytoflex buffer tank and instrument sheath tank.
- 8. Fill empty Aurora sheath tanks with Milli-Q (including Winship)
- 9. Take out any recycling and cardboard etc.
- 10. Fill and autoclave any empty cell sorter sheath tanks with 1x PBS including Sony.
- 11. Assist users as needed.
- 12. Start-up and QC cell sorter if required.

Weekly

- 1. Startup ISX and calibrate (Tuesday or Wednesday).
- 2. Startup Luminex and calibrate (Tuesday or Wednesday).
- 3. Make up bulk PBS in large tanks as needed using 10x PBS.
- 4. Make up new biohazard bins and take full bins down to the storage facility as needed.
- 5. Long clean on Cytoflex.
- 6. Order lab supplies as needed.
- 7. Top up 70% Ethanol tank FACS Aria.

Monthly

- 1. Long clean LSR II (15 mins of 10% Contrad then water).
- 2. Long clean Symphony (15 mins of 10% Contrad then water).
- 3. Long clean Aurora (Shutdown overnight in 50% Contrad).
- 4. Long clean Sony (70% Ethanol follow Wizard).
- 5. Check data is being backed up to server.
- 6. 1st of the month, test eyewashes and fill in EHSO sheet.
- 7. Check for software updates.
- 8. 1st of the month, test eyewashes and fill in EHSO sheet.
- 9. Track QC on all instruments.