S3e™ Cell Sorter Daily Activities

Daily Startup and Quality Control

On a daily basis, the S3e Cell Sorter requires approximately 20 minutes of warm-up time before running quality control (QC) or any samples. To warm up the system:

1. Ensure loading stage is in Wash position
2. Click Start-up button
3. Select startup time
4. Load tube containing ten drops (0.5 ml) ProLine™ Universal Calibration Beads
5. Move loading stage to Run position
6. Review QC report
7. Review drop delay
8. Choose correct Bead Lot file
9. Review message, then click Yes to continue
10. Apply setting required
11. Click QC button
12. Load tube containing 3 ml detergent or enzyme-based solution
13. Review warning, then click Yes to continue
14. Review QC report
15. Review result, then click Yes to continue
16. Move loading stage to Wash position
17. Load tube containing 4 ml cleaning solution (10% bleach or 70% ethanol)
18. Review warning, then click Yes to continue
19. Clean System
20. Move loading stage to Wash position and remove tube
21. Start-Up button
22. Select startup time

Daily Shutdown Procedure

These steps should be performed after the last sort of the day:

1. Move loading stage to Wash position
2. Click Shutdown button
3. Click Yes to shut down system
4. Review message, then click Yes to continue
5. When cleaning cycle is complete, move loading stage to Wash position
6. Review warning, then click Yes to continue
7. After clean cycle is complete (2 min), move loading stage to Wash position
8. Load tube containing 4 ml detergent or enzyme-based solution
9. Review warning, then click Yes to continue

Important! Prior to shutdown, make sure that you have saved all open protocols.

High Pressure Clean

For a more stringent cleaning process, these steps should be performed after the last sort of the day:

1. Click Clean System button
2. Move loading stage to Run position
3. Select High Pressure Clean
4. Review warning, then click Yes to continue
5. After clean cycle is complete (2 min), move loading stage to Wash position
6. Load tube containing 3 ml detergent or enzyme-based solution
7. Review warning, then click Yes to continue
8. Clean System

Important! Prior to shutdown, make sure that you have saved all open protocols.