

Symphony[®] Shut Down Procedures

This technical note outlines the proper shut down procedures for the *Symphony*[®]

CAUTION – All of the reaction vessels must be entirely drained of fluid before raising the safety cover.

SHORT TERM 1 TO 3 DAYS

If the instrument will be shut down for 1 to 3 days please perform the following steps:

1. **RV Clean** – Remove each reaction vessel and replace it with a RV rinse tube. Perform a **RV Clean** step from the **Manual Operations Screen** for all twelve reaction vessels.
2. **Collect Clean** – If the cleave collection system was used, remove the collection tube and replace with an empty tube. Perform a **Collect Clean** step from the **Manual Operations Screen**.
3. **Back Flush the Bottles** – Perform a **Solvent Back Flush** on all the Reagent Bottle (Amino Acid) positions from the **Bottle Preparations Screen**.
4. **Flush the System with N2** – Perform a **System N2 Flush** from Tools → Cleaning → System N2 Flush.
5. Leave the instrument power on, the pump running and the Nitrogen supply on.
6. To resume operation, prime the bottles in **Bottle Preparations** screen.

LONG TERM 4 TO 20 DAYS

If the instrument will be shut down for 4 to 20 days please perform the following steps:

1. **Flush the System with Solvent** – Remove each reaction vessel and replace it with a RV rinse tube. Remove all of the bottles and collection vials and replace with empty ones. Leave Solvent 1 disconnected. Place 1 liter of MeCl₂ or MeOH in the Solvent 2 position and ½ liter of MeCl₂ or MeOH in the Solvent 5 position. Perform a **System Solvent Flush** from Tools → Cleaning → System Solvent Flush.
2. **Flush the System with N2** – Perform a **System N2 Flush** from Tools → Cleaning → System N2 Flush.
3. Remove all of the bottles and collection vials and replace with empty ones.
4. Power down the computer.
5. Power down the *Symphony*[®].
6. Turn off the Nitrogen supply.
7. Empty and replace the waste tank.
8. Shut down the pneumatic pump.

To resume operation,

1. Turn on the pneumatic pump.
2. Turn on the Nitrogen supply.
3. Turn on the *Symphony*[®].
4. Turn on the computer.