SOLARIS RTA

These instructions are intended for reference only, and will not replace the thorough training required for proper system operation. Contact a clean room staff member with questions or to report a system problem.

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1. **BADGER:**
   Enable the tool in badger.

2. **LOAD SAMPLE:**
   - To open, pull down the handle first and then pull the drawer out.
   - Load the sample.
   - Push drawer back in.
   - Pull the handle up to lock.
3. **CHECK THAT WATER, N2, and O2 LINES ARE OPEN.**
   - They are located behind the RTA on the wall down below; right hand side as you look at the rear of the RTA.

4. **THE RTA SHOULD ALREADY BE POWERED ON**
   - But if it is not, please power it on by pressing the green button.

5. **OPEN PROGRAM “SOLARIS VERSION 3.8”**
   - The program should already be open, but if it is not, please do so.
   - The icon is on the right.
6. **CLICK ON “START RTP PROCESS”**

![Solaris Operating Software Version 3.8](image)
- Start RTP Process
- Help Information
- Exit to Windows

7. **SELECT SYSTEM DIAGNOSTICS**

![Solaris RTP Main Menu](image)
- Recipe Management
- System Diagnostics
- Run Processes
- Run Open Loop Processes
- System Calibration
- Administration
- Review Process Data
- User Login
- Exit to Start Page

8. **SELECT MANUAL MODE**

![Solaris Systems Check](image)
- Manual Mode
- MFC Check
- Return to Main Menu
9. CHECK COMPUTER TO OVEN COMMUNICATION

- Click Start Communication.
- If communication is unsuccessful, please report the problem on Badger.
- Click Return to Diagnostic Menu.

10. MFC CHECK

Click on MFC Check.

11. CHECK GAS FLOW RATE

- Put in 10 under Flow Rate and check if Output matches.
- Click Stop and Return to Menu.
- If numbers don’t match, please report issue on Badger.
- Click Return to Main Menu.
12. **RECIPE MANAGEMENT**
   - Click on Recipe Management.

13. **PARAMETERS**
    You can change the temperature and time on each of the following steps:
    - Purge
    - Ramp Up
    - Hold
    - Ramp Down
    - Finish
    PLEASE NOTE: Total flow rate in each step should be less than 10 SLM.

**NOTE:** THE MAXIMUM ALLOWED TEMPERATURE IS 1000°C

When done, click Exit.
14. **RUN PROCESS**

- Change number in “Purge MFC set point, SLM” to 10, select “Learn Mode On”. Then “Start Process”.
- Dialog box will pop up at the end--Save data: Click “Store Data”
### END PROCESS/LOG OUT

- Unload sample using tweezers.

**CAUTION: SAMPLE MAY BE HOT. HANDLE WITH TWEEZERS AND BE MINDFUL OF WHERE YOU ARE PLACING IT.**

- Make sure door handle is in the locked position.
- Please leave the RTA on and the program open for the next user.

Don’t forget to disable the tool in Badger before leaving the lab.