

Beckman Centrifuge Avanti J-E manual

Install Rotor

1. Press DOOR button to unlock the door
2. The door only can be opened when the power is on and the rotor is at rest
3. When the door is locked, the Door LED will come on.
4. Lift the door up to open
5. Install the rotor on the drive hub
 - a. Ensure the rotor is seated on the drive hub
6. Securely attach the rotor lid and tighten the knob.
 - a. If the knob turns loosely and you don't feel threads engaging, the rotor drive hole pins may not be properly seated on the hub. Lift the rotor up, rotate it slightly, and lower it on the hub again.
 - b. If you bump the control panel during the rotor installation and L1 diagnostic appears, press CE to clear the message.

Operation

1. Select a rotor
 - a. Press ROTOR
 - b. Use the keypad to enter a rotor code
 - i. JLA 10.500 Code 10.5
 - ii. JL17 Code 17
 - c. Or Press ROTOR repeatedly until the using rotor is displayed
 - d. Press ENTER
2. RUN Speed
 - a. Press RPM/RCF
 - b. Use the keypad to enter targeted speed
 - i. JLA10.5 Max 10,000 RPM (might change with the selected bottle)
 - ii. **JA17** **Max 13,000 RPM**
 - c. Press Enter
3. Run Time
 - a. Press TIME
 - b. Use the keypad to enter required time or press TIME again for a hold run
 - c. Press ENTER
4. Run Temperature
 - a. Press TEMP
 - b. Use the keypad to enter required temperature (-10 – 40 °C)
 - c. Press ENTER
5. Start a Run
 - a. Press ENTER and START
 - b. The green light next to the START key flashes and the rotor starts to spin
6. Finish a Run
 - a. When the rotor comes to a complete stop, a tone sounds
 - b. After the rotor has stopped, press DOOR

- c. Remove the rotor
- 7. Keep the door closed between runs.

If you have any questions, please contact **Jia Ma** in **Havemeyer 603**, jm4757@columbia.edu.