

XPN-100 ultracentrifuge

Safety

- Use only the Beckman Coulter rotors and accessories designed for use in this instrument.
- Do not exceed the maximum rated speed of the rotor in use.
- NEVER attempt to slow or stop a rotor by hand.
- Do not move the centrifuge while the drive motor is spinning.
- In the event of a power failure, do not attempt to retrieve the sample from the instrument for at least one hour.

1. Wipe off the chamber walls with a dry cloth or paper towel before each run.
2. With the power on, open the chamber door, install the rotor, and close the chamber door.

From the Touch Screen

3. Log into your account.
4. Enter the required run conditions (SPEED, TEMP, and TIME).
5. Select ACCEL and DECEL profiles. (optional)
6. Press START. (The vacuum system is automatically activated now*)
7. Runs in the timed will terminate automatically and the instrument will sound a tone to indicate the end of the run. After the rotor has stopped, press VACUUM to vent the chamber.
8. Open the chamber door and remove the rotor. Clean the rotor chamber!! To keep the rotor chamber clean and dry, keep the door closed between runs

If you have questions, please contact Jia Ma, jm4757@columbia.edu

*Vacuum

When the run begins, the rotor will not accelerate past 3000 rpm until the chamber pressure drops below 750 microns.