

Tabletop Centrifuges

Eppendorf 5430R, tabletop (PSC 533, NSC 338, 488)

Every time you use the centrifuge, you **MUST** sign the log book.

Balance all tubes.

Clean up any spills in the rotor and/or the centrifuge.

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Eppendorf Centrifuge 5430R

Do not push the centrifuge door closed. Gently close the door just until the hydraulics in the door catches.

1. Turn centrifuge on using power button on front panel, lower right. This centrifuge has a standby mode if not used for some time. Standby mode shows “ep” in the display window and the power button is red. To switch to ready mode, press the power button. The power button is now green and the centrifuge parameters are displayed.
2. Press Door button to open centrifuge door.
3. To change rotors. There is a microfuge tube rotor and a 15ml/30 ml tube rotor available. Use the rotor key next to the centrifuge to remove the rotor. Insert the key into the middle of the rotor and turn counter clockwise. Remove the rotor. Place the new rotor onto the motor shaft. Insert the rotor key and turn clockwise to tighten.
4. The centrifuge has automatic rotor detection. It detects a new inserted rotor and displays the name of the rotor for about 2 sec. This sets the maximum speed limit for the rotor. If you get an error message (Hint C), you started the centrifuge before the rotor was detected. Just restart the centrifuge.
5. Be sure to put the lid on the rotor before starting.
6. Balance your tubes or plates.
7. Close the centrifuge door. This door has hydraulics, so you don't have to push the door closed. With a couple fingers only, press the door closed just until it catches. The hydraulics will finish closing the door. Pushing the door closed with any amount of force will damage the hydraulics and require a service call.
8. Use Fast Temp to cool chamber and rotor quickly. Make sure that the rotor and lid are installed. Make sure there isn't a blank in rotor before starting fast cool because the rotor spins. Press Start/Stop key to end the Fast Temp.
9. You can set the centrifuge to fast cool at a specified time and also a specified time each day. See Debby for instructions.
10. With the arrow keys, set Time. Continuous run can be set by entering either 99.59 or less than 30 sec.
11. With the arrow keys, set Temp.
12. With the arrow keys, set Speed. Switch between rpm/rcf as needed.
13. Press start/stop to start run.
14. You can either let the time run out or press start/stop to end your run.

