

# USE OF THE SORVALL LEGEND RT CENTRIFUGE

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Celeste Morin, x3756, Druckenmiller 243

**Note: This is a high speed centrifuge that can be easily damaged. Please use with caution and care.**

1. Turn Power **ON**.
2. **OPEN** the centrifuge door by hitting the appropriate button.
3. **Program the required parameters:**
  - a. Make sure the button is on “g” for speed.

## FOR FIXED ROTOR

1. x G: note the limit is 6000 for 15 ml tubes (set to 5000)
  2. x G: note the limit is 9000 for 50 ml tubes (set to 7500)
- b. Time is from 0.01 for 1 minute to 9.00 for nine hours.
  - c. Set acceleration and deceleration to 6 and 5 respectively.
  - d. Set temperature to 25—it will maintain at 22.
4. Make sure the rotor is tightly secured, using the hex wrench.
5. Remove the lid of the rotor using the hex wrench. **\*\*As a practice, place the removed lid on the bench.**
6. Place your samples in. **IT IS CRUCIAL THAT THE TUBES ARE BALANCED IN BOTH POSITION AND WEIGHT.**
7. Replace the lid and secure with hex wrench.
8. Close the centrifuge door.
9. Hit the start button.

**NOTE: Use Max of 3500 RPM for the swinging bucket rotor.**

## WHEN DONE:

1. Open door.
2. Remove the lid to the rotor.
3. Remove your samples.
- 4. WIPE OFF ANY CONDENSATION THAT APPEARS.**
- 5. SECURE THE LID TO THE FIXED ANGLE ROTOR. NEVER LEAVE THE LID ON THE ROTOR WITHOUT SECURING IT CLOSED WITH THE HEX WRENCH.**
6. Turn off the centrifuge.

**\*\*KEY\*\*:** IF USING FIXED ANGLE ROTOR, MAKE SURE THE LID IS SECURED BEFORE CLOSING THE CENTRIFUGE.