

Operation

- 1 Close and latch the lid by pressing on the front center of the lid until it clicks. DO NOT push down hard, as it could damage the lid safety switch.
- 2 Plug the AC power cord into the appropriate approved and properly grounded AC outlet.
- 3 **DO NOT INSERT TUBES AT THIS TIME!** With rotor installed, turn the power switch on, set the speed dial to the lowest setting, and turn the timer to 10 minutes. The unit should begin spinning with a smooth whirring sound with little or no vibration. Next, increase the speed. If there are loud or unusual sounds, or if you experience excessive vibration, DO NOT OPERATE – contact your dealer or LW Scientific, Inc.
- 4 Spin only balanced loads. Make sure that tubes are placed opposite each other. Proper sample balancing will improve sample separation and will extend the life of the centrifuge. Out of balance loads may damage the centrifuge.
***NOTE:** The 6-place microtube rotor can be balanced with 2, 3, 4, or 6 tubes (3 tubes can be placed in a triangle configuration). The 12 place microhematocrit rotor can also spin 3 tubes in a balanced triangle configuration.
- 5 Ready for operation: Load your tubes and use the digital controls to set time and speed. Press the "Start/Stop" button to begin spinning.

Note: Always ensure rotor is secure before each use.

Spinning Microhematocrits

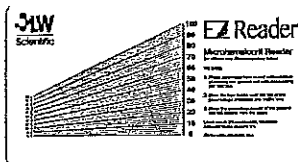
If you purchased a microhematocrit rotor, an EZ Reader card and a starter pack of 200 40mm tubes are included. Additional capillary tubes are available from your LW Scientific distributor.

- 1 To load, remove the rotor cover plate by unscrewing the green thumb screw.
- 2 Make sure the capillary tube is plugged with clay. Lay the tube into a slot with the clay outward.
- 3 Install the rotor cover plate by turning the green thumb screw, ensuring the cover plate seats down onto the rotor and is finger tight.
- 4 Close the centrifuge lid and run the unit for **3 minutes at 12,000 rpm.**

NOTE: The maximum tube size for the hematocrit rotor is 40mm (length) by 0.95mm (diameter). Using tubes larger than 0.95mm in diameter can prevent the rotor cover from seating properly and cause blood and sealant to spin out of the tubes during the spinning process.

Reading Microhematocrits

- 1 After the rotor has stopped, remove the cover plate by unscrewing the green thumb screw and lifting the cover plate straight up.
- 2 Place the EZ Reader Card on a countertop. Carefully remove one of the tubes and place it into the tube slot on the card and adjust the tube until the 0% line is aligned with the bottom of the fluid in the tube.



- 3 While the card is still resting on the countertop, and keeping the bottom of the fluid at the 0% line, slide the scale card until the top of the fluid is aligned with the 100% line.
- 4 Read the separation line in the middle for your microhematocrit results.