

The Drucker centrifuges provided by Quest require inspection every two years and should follow facility equipment maintenance protocol and manufacturer recommendations. Please note the date of your calibration on the form that arrives with the machine or by checking the sticker on the machine which will note the calibration date. We do supply each organization with a tachometer, inspection stickers and an inspection form. These items do not need to be returned to Neway or Quest. Retain these for future inspections and troubleshooting. If there is an issue with the calibration prior to the 2-year inspection time the laboratory will notice it while processing the blood and will proactively reach out to client to replace centrifuge.

Step 1: Complete the following data on the provided Centrifuge Mechanical Safety Inspection sheet and retain for each centrifuge inspected.

RPM Test

- a. Locate the reflective tape on the centrifuge.
 - i. If there is no reflective tape on the centrifuge, locate the extra tape mailed to the facility with the digital tachometer. Cut a small strip and place it in the center on the rotating part of the centrifuge.
- b. Close the lid, start the centrifuge cycle and let run for at least a full minute to allow the centrifuge to come up to speed.
- c. Press the test button on the tachometer, so the red laser light appears.
- d. Use both hands to steady the tachometer to line up the red laser light with the reflective tape.
 - i. The tachometer will have to be at an angle, so the light is touching the tape.
- e. Let go of the tachometer test button when the number has stabilized.
- f. Press and hold the tachometer Mem button.
- g. Three readings will display. The last reading, "LA", is the RPM's for the centrifuge to be recorded.
 - i. "UP" - Highest reading taken
 - ii. "DN" - Lowest reading taken
 - iii. "LA" - Last reading taken

Lid Operation

- a. Test mechanical latch by turning the lid latch clockwise to the stop position, and lift the lid to confirm it's locked.
- b. Test electric latch by turning the lid latch clockwise to the stop position, illuminating the 'LATCH' indicator light. While the machine is running, try to turn the lid latch counterclockwise.

Timer Operation

- a. Verify the run time pre-set by timing one full cycle.
- b. Verify auto shut-off by verifying that the system shuts itself off at the end of the cycle.

Step 2: Complete and replace the inspection sticker on the centrifuge.

Step 3: Before storing the tachometer, remove batteries to avoid corrosion.

Step 4: Contact Neway Support at 1-800-204-5060 if centrifuge fails inspection.