

Beaumont

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Laboratory

Area: *Laboratory-Chemistry*

Key Words:

Applicability: *Royal Oak*

Automated Chemistry Silencer 2100 Digital Desktop Centrifuge - Royal Oak

Document Type: Procedure

I. PURPOSE AND OBJECTIVE:

Describes operation and maintenance procedures for the Silencer 2100.

II. PROCEDURE:

- A. Press the Power Switch to turn power on to the centrifuge and unlock the lid.
- B. Depress the speed set up/down arrows to set speed required. Default speed setting is 2000 Revolutions per minute (RPM).
- C. Depress the time set up/down arrows to set time required. Default time setting is 5 minutes.
- D. Settings for routine operations are as follows:
 1. Normal operations
 2. 5 minutes
 3. 3000 RPM
- E. Open the lid and load samples in a balanced fashion.
- F. Close lid and press the Start Switch. The lid lock will engage, Speed Display will display actual speed, the Lid Interlock LED will turn off and the centrifuge will accelerate to the set speed. Upon reaching the set speed, the time will start counting down and the Time Display will display the time remaining. Once the rotor is in motion, the lid cannot be opened until the rotor has stopped.
- G. When the set time has elapsed, the centrifuge will decelerate to a stop.
- H. When the rotor has come to a complete stop, the lid lock will release and the Lid Interlock LED will be illuminated

III. EQUIPMENT MAINTENANCE:

- A. Clean any spills or breakage when they occur. Use fresh bleach.
- B. Solution (10%) to clean spills and remove ground glass with a heavy wet cloth. Be sure to wear gloves when working with any biohazardous material. Follow with a water rinse. **DO NOT USE THE**

CENTRIFUGE UNTIL IT IS PROPERLY CLEANED.

- C. Clean exterior, bowl and carriers with soapy water and disinfectant as needed.
- D. Facilities management is responsible to maintain centrifuges located in Clinical Pathology. Preventive maintenance is done biannually and consists of electrical check, mechanical check, and speed check. Facilities maintains records of these checks and logs on our Chemistry Centrifuge Maintenance log.

IV. WARNINGS:

Turning the power off does not remove power to the centrifuge. Remove all power to the unit by unplugging power cord prior to performing any maintenance to the 2100.

V. REFERENCES:

- A. Rupp & Bowman Company, Farmington Hills, MI 48018, Silencer 2100 Automatic Digital Desktop Centrifuge Instruction Manual.
- B. Tietz, Fundamentals of Clinical Chemistry, Saunders Company, Philadelphia, PA. 2001 pp. 12-14.

Attachments

No Attachments

Approval Signatures

Step Description	Approver	Date
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