LSU Inter-Institutional Biological and Recombinant DNA Safety Committee (IBRDSC)

Policy: Maintenance of Laboratory Equipment

Adopted April 26, 2012

Properly functioning laboratory equipment is a critical component

radiation output should be at least 40 microwatts/ cm2 at 254 nm when measured.

The CDC, NIH, National Sanitation Foundation and the American Biological S

Centrifuges Operational guidelines

- 1. The work surface must be level and firm. Do not use the centrifuge on an uneven or slanted work surface.
- 2. Balance the tubes in the rotor. If you want to run a tube with 10 mL of liquid, put another tube with 10 mL of water in the opposing hole on the rotor. If the liquid has a higher or lower density than water, you must balance the tubes by mass, not volume.
- 3. Do not open the lid while the rotor is moving.
- 4. Wear a face shield and / or safety goggles if you have to work anywhere near a centrifuge that's in use.
- 5. Do not bump, jar, or move the centrifuge while the rotor is spinning. Make sure you don't have the cord dangling from a table edge where someone could catch their foot in it and pull down the centrifuge.
- 6. Examine tubes and bottles for cracks or stress marks before using them. Discard any centrifuge tubes that have cracks in them.
- 7. When working with biohazardous materials, wipe outside of tubes with disinfectant prior to removal from the biological safety cabinet and before placing in safety cups or rotors.
- 8. Place all tubes in safety buckets or sealed rotors when centrifuging infectious materials. Inspect the "O" ring seal of the safety bucket and the inside of safety buckets or rotors.
- 9. Open safety buckets or rotors in a biological safety cabinet. If any spills or leakage are apparent in the centrifuge rotor should be cleaned with a mild detergent, rinsed thoroughly with distilled water, and allowed to air dry completely (while in biosafety cabinet).
- 10. Clean the rotor and centrifuge well after each use.

Beckman Coulter Centrifugation Laboratory Resources:

http://www.beckman.com/resourcecenter/labresources/resource_centrif.asp

Sorvall Centrifuge Information: http://www.kendro.com