

# CENTRIFUGE SAFETY

- ◆ Each operator must be trained on the proper operating procedures
- ◆ Keep a log book detailing operation records for centrifuges and rotors
- ◆ Do not exceed safe rotor speed
- ◆ Place a biohazard label on the centrifuge if used for infectious agents
- ◆ Always use sealed safety buckets or sealed rotors with O-rings
- ◆ Check tubes and bottles for cracks and deformities before each use
- ◆ Examine O-ring and replace if worn, cracking or missing
- ◆ Never overfill primary containers; do not exceed  $\frac{3}{4}$  full
- ◆ Wipe exterior of tubes or bottles with disinfectant prior to loading into safety buckets or rotor
- ◆ Wipe the exterior of safety buckets or rotors with disinfectant before removing from biosafety cabinet
- ◆ Stop the centrifuge immediately if an unusual condition, such as noise or vibration, begins
- ◆ Wait five minutes after the run before opening the centrifuge to allow aerosols to settle in the event of a breakdown in containment
- ◆ Decontaminate safety buckets or rotors and centrifuge interior after each use
- ◆ Wash hands after removing gloves

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## CENTRIFUGE SPILL

If you notice that there has been a leak outside the safety bucket or rotor when opening centrifuge:

### **First:**

- ◆ Hold Breath
- ◆ Close centrifuge lid
- ◆ Notify others to evacuate the lab

### **Then:**

- ◆ Immediately leave the lab
- ◆ Post biohazard spill sign

### **Notify PI or Supervisor:**

- ◆ DO NOT re-enter lab until PI and OEHS have given clearance (at least 30 minutes)
- ◆ Follow centrifuge spill instructions in the Biosafety Manual or Spill Response Guide

### **Decontaminate:**

- ◆ Remove PPE turning exposed areas inward
- ◆ Place disposable PPE in biomedical waste (autoclave reusable PPE)
- ◆ Wash any exposed areas with antiseptic soap and water
- ◆ Wash hands thoroughly

### **For Centrifuge Explosion:**

Evacuate room immediately; notify PI and OEHS