

## CENTRIFUGE SAFETY

- Each operator must be trained on the proper operating procedures.
- Keep a log detailing operation records for centrifuges and rotors.
- Do not exceed safe rotor speed.
- Place a biohazard label on the centrifuge if used for human material or 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.
- Always load and unload sealed safety buckets or rotors in the biosafety cabinet – never open them outside of the biosafety cabinet.
- 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.
- Move the sealed safety buckets or rotors in the biosafety cabinet before opening them.
- Decontaminate the safety bucket or rotor before removing from the biosafety cabinet.
- Decontaminate safety buckets or rotors and centrifuge interior after each use.
- Wash hands after removing gloves.



## CENTRIFUGE SPILL

If a leak outside the safety bucket or rotor is noticed when opening centrifuge:

<b>FIRST:</b>	<ul style="list-style-type: none"> <li>• Hold breath</li> <li>• Close centrifuge lid</li> <li>• Notify others to evacuate the lab</li> </ul>
<b>THEN:</b>	<ul style="list-style-type: none"> <li>• Immediately leave the lab</li> <li>• Post biohazard spill sign</li> </ul>
<b>NOTIFY PI OR SUPERVISOR:</b>	<ul style="list-style-type: none"> <li>• DO NOT re-enter lab until PI and EHS have given clearance (at least 30 minutes)</li> <li>• Follow centrifuge spill instructions in the Biosafety Manual, BSL3 Manual, or Spill Response Guide</li> </ul>
<b>DECONTAMINATE:</b>	<ul style="list-style-type: none"> <li>• Remove PPE turning exposed areas inward</li> <li>• Place disposable PPE in biomedical waste (autoclave reusable PPE)</li> <li>• Wash any exposed areas with antiseptic soap and water</li> <li>• Wash hands thoroughly</li> </ul>
<b>FOR CENTRIFUGE EXPLOSION:</b>	<ul style="list-style-type: none"> <li>• Evacuate room immediately; notify PI and EHS</li> </ul>