

Safety & First Aid



What are the goals of safety?

- **Recognize & eliminate hazards**
- **Educate employees**

What is the federal regulatory agency for safety in the workplace?

- **OSHA...**
- **Occupational Safety & Health Administration**

FIRE SAFETY

- **Class A:** ordinary combustibles
- **Class B:** flammable solvents
- **Class C:** electrical
- **Class D:** combustible metals

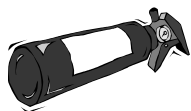


RACE

- **R** = rescue individuals in danger
- **A** = alarm: sound the alarm
- **C** = confine the fire by closing all doors & windows
- **E** = extinguish the fire with the nearest suitable fire extinguisher

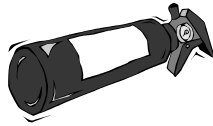
FIRE EXTINGUISHERS

- **Class A:** soda & acid or H₂O
- **Class B:** foam, dry chemical, CO₂
- **Class C:** dry chemicals, CO₂
- **Multipurpose ABC** extinguishers



PASS

- P = pull pin
- A = aim nozzle
- S = squeeze trigger
- S = sweep nozzle



Electrical Safety

- Avoid extension cords
- Do not overload circuits
- Inspect cords and plugs for breaks and fraying
- Unplug equipment when servicing
- Unplug equipment that has had liquid spilled on or near it
- Do not handle equipment with wet hands
- Know the location of the circuit breaker box
- Do not touch electrical equipment when performing phlebotomy



RADIATION SAFETY

- 3 cardinal principles:
- time
- shielding
- distance



MECHANICAL SAFETY

- **Centrifuge**

- Follow operating procedures

- Never attempt to open while in use



PHYSICAL SAFETY

- **Body mechanics**

- Bend at knees, not at waist
 - Use legs to lift weight of object
 - Hold object close to body when carrying
 - Use designated stools or ladders for objects overhead
 - Avoid twisting while reaching or lifting
 - Lumbar support
 - Exercise



CHEMICAL SAFETY

- **Labeling**



- **Chemical identification**

- **“Right to Know”**

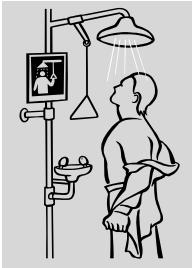
- **MSDS**



What are the correct storage procedures for chemicals?



EMERGENCY CARE STATIONS



What is a disaster plan?

EMERGENCY PROCEDURES

- Bleeding
- Breathing
- Circulation
- Shock

