

Lab Safety and Security

By

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1. Appearance and attitude in the lab.

While working in the lab ,the following instructions should be followed:

- You must wear your clean white coat.
- Tie up long hair during laboratory activity.
- Do not use any flammable materials such as perfumes.
- Try always to wear leather shoes that cover your feet.
- You must insert the jewelry and veil into the coat.
- Place books and personal items in the cabinet.
- Only laboratory manuals are permitted in to the working area.

- Listen to your instructor carefully and stand in your proper position in the lab.
- Read the instruction guide ahead of performing the experiment.
- Eating and drinking are not allowed in the lab.
- Do not sit on lab benches.
- Side talks and the mobile are not allowed in the lab.
- At the end of the lab period ; exit the lab in an orderly manner, no running , no pushing and no shoving.

2. General work procedure

- When in doubt –Ask ;;; Do not Guess.
- You should wear approved safety goggles or safety glasses when instructed in the lab.



- Wear gloves if you will come in contact with blood specimens.
- Use only clean and dry glassware and never use broken or chipped glassware.
- Handle hot glassware with holder or tongs.
- Always point test tube away from yourself and others when heating.

- Test for odor of chemicals only by waving your hand above the container and sniffing cautiously from a distance.
- Never pour used reagents back into the bottle.
- Use a rubber suction bulb, pump or other device to fill a pipette.



3. Hygiene practice

- Keep hands away from face ,eyes and clothes during lab.
- Always clean the instruments and laboratory area before leaving .
- Keep tabletops clean.
- Return all equipment to its original location.
- Clean all spills immediately.
- Wash hands with soap and water before leaving the lab.

4. Emergency procedure

- In case of accident as an acid or alkali burns ;wash the affected area immediately with plenty of running water.
- In case of eye injury ; flush eyes immediately with plenty of water for at least 15 minutes.
- In case of fainting ; provide fresh air and keep the head lower than the rest of the body.
- Inform the supervisor immediately about any problem or accident in the lab.

Biohazardous Materials

- Viruses
- Bacteria
- Fungi
- Chlamydiae /Rickettsiae
- Prions
- Recombinant DNA

Thank you for your
attention