



جامعة المستقبل
AL MUSTAQBAL UNIVERSITY

Molecular Biology

كلية العلوم

قسم علوم الانظمة الطبية الذكية

Level: first

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Laboratory safety Rules , Requirements and Regulations

- a lab can be filled with dangerous **chemicals, radioactive substances, biological specimens, sharp instruments, breakable glassware, and flammable objects**. Thus, those working in labs need to be keenly aware of the many dangers associated with these items. To maintain a safe workplace and avoid accidents, lab safety symbols and signs need to be posted throughout the workplace

- The Laboratory Safety program provides guidance and support to researchers to identify and eliminate or reduce hazards, train personnel. There are many regulatory requirements that laboratories must comply with when working with biological, chemical, and radiological materials and it is our task to help identify the appropriate regulations and support the lab in maintaining compliance with them

Laboratory safety Rules

1. wear a face shield to protect your ears and neck as well as your face.
2. Always wear gloves and masks when handling chemicals.
3. Always wear appropriate clothing: chemically resistant lab coats
4. Always wear a shoe that completely covers the foot and protects your feet.
5. Always wear clothes that cover and protect your legs down
to your ankles

6. Never use mouth suction to fill a pipette or siphon.
7. Never eat or drink in the lab. Food may pick up toxic chemicals.
8. Label all containers to identify their contents.

LAB PROCEDURES

1. Dress properly for lab. Wear clothing that covers as much skin as possible. Sandals are not permitted. If possible, wear older clothes on lab day. All loose clothing and long hair must be confined.
2. Read the entire experiment before coming to lab
3. Arrive on time for lab
4. Clean up at the end of lab
5. Be careful in using power sources



Flammable



Poison



Radioactive



Non-ionizing
Radiation



Biohazard



High Voltage



Use Gas Mask



Risk of Explosion

Lab Safety

It is our joint responsibility
to keep the lab clean and safe!



Authorised
persons only in
the laboratory



Lab coats
must be worn



Sensible footwear
must be worn –no
open shoes



All accidents and
dangerous events must be
reported and recorded



No smoking,
of any kind



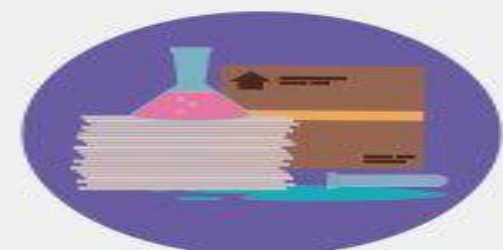
Do not store or consume
food or drink in the lab



All work must be carried
out in accordance with
risk assessment



Dispose of
waste properly,
in line with policy



Keep the lab tidy, and
emergency routes
accessible

				
Gloves	Protective Clothing	Protective Footwear	Eye or Face Protection	Respiratory Protection
				
Eyewash	Safety Shower	First Aid	Flammable	Corrosive
				
Flammable Gas	Nonflammable Gas	Compressed Gas	Toxic	Harmful/ Irritant
				
Prohibition	Do Not Touch	No Open Flames	Do Not Enter	Non Potable Water
				
Don't Use Mobile Phone	No entry	No Smoking	Fire Extinguisher	Emergency Call Button
				
		Explosive	Do Not Eat or Drink	