

MUĞLA SITKI KOÇMAN UNIVERSITY-FACULTY OF MEDICINE
DEPARTMENT OF MEDICAL BIOCHEMISTRY
“MEDICAL BIOCHEMISTRY STUDENT LABORATORY” GENERAL
LABORATORY SAFETY RULES & GUIDELINES
THE RULES & PRINCIPLES FOR MEDICAL BIOCHEMISTRY LABORATORY

1-OBJECTIVE & CONTENT

These principles have been prepared in order to explain “general laboratory safety rules & principles for laboratory usage” that must be followed in order to work safely, to work in harmony and in coordination together with each other in “Medical Biochemistry Student Laboratory”.

2-RESPONSIBILITY

Muğla Sıtkı Koçman University, Faculty of Medicine, Department of Medical Biochemistry is responsible for the preparation and revision of these rules and principles. All the laboratory staff, the instructors & teaching staff, and the students are responsible for its implementation.

3-THE RULES AND PRINCIPLES FOR LABORATORY USAGE:

The rules and principles to be followed in the “Medical Biochemistry Student Laboratory” are as follows:

1. The safety rules of the laboratory are very important. All the students and laboratory staff must know safety rules of the laboratory and must comply with safety rules of the laboratory.
2. The students must wear “White laboratory uniforms” when they work in the laboratory.
3. Because of the possible usage of different chemical solutions, the acidic and/or alkaline solutions, chemical reactants, flammable material, and flame or different labware and some different handling equipment (such as glass material, porcelain, metal, plastic, wooden labware etc.) and laboratory instruments, all of these materials must be handled with care. The students may help to the laboratory staff during the

experiment, study or working in the laboratory under the inspection and instructions of the laboratory instructor.

4. All the laboratory users, the students and the laboratory staff must be careful and must avoid from all kinds of dangers. Skin and eye contact with all chemicals and corrosive compounds, all kinds of fire, explosion and burnings etc. must be avoided. Wearing of safety equipment is very important to minimize the chemical and physical exposures. During working in the laboratory, during experiments, the laboratory gloves, the laboratory goggles, laboratory glasses or the laboratory masks must be used to avoid from all of these dangers. Taste or Sniff the chemicals must be avoided. Oral pipetting of the chemicals must be avoided. "Rubber pipetting bulbs" are mainly for use with dropping pipets. Micropipette, vacuum and volumetric pipettes with rubber bulbs can also be used for pipetting.

5. All of the laboratory staff and the students must know "the location of laboratory safety equipment, laboratory safety showers, laboratory eyewash stations or laboratory shower stations, fire extinguishers etc.", they must know what to do in case of an any accident, must know to follow the instructions and rules in the laboratory In case of any injury, like Skin and eye contact with chemicals and corrosive compounds to be encountered in the laboratory, urgently laboratory safety showers, laboratory eyewash stations or laboratory shower stations, must be used and the responsible instructor must be informed.

6. The students and all the laboratory staff must assume that all chemicals of unknown toxicity are highly toxic or potentially toxic.

7. All the laboratory users, the students and the laboratory staff must know the dispose of waste properly and must be careful with the dispose of waste properly.

8. Chemical waste management: The chemicals must not be poured off the drain or must not be poured down. Chemical waste buckets/containers must be used for chemical wastes depending on chemical waste regulations.

9. Medical Waste Management: Medical waste buckets/containers must be used for medical wastes depending on medical waste regulations.

10. All the laboratory users, the students and the laboratory staff must know emergency exit routes.

11. The students should not bring their personal belongings such as jackets, other coats,

umbrellas etc. to the laboratory.

12. Any kind of food or drink should not be brought into the laboratory.

13. Chemical containers must have appropriate labels. Unlabeled containers should not be used. Chemical containers should not be left open.

14. The labware are limited, costly and they may be broken easily. Therefore, all the labware and handling equipment must be used carefully or handled with care. The fixed laboratory instruments should not be relocated without informing the relevant instructor.

15. The students are required to bring their own notebooks, pencils, erasers, and pens to each lesson. During the laboratory course and experiments, the students are required to write and to note that are explained in the laboratory and at the end of the course, it is necessary to sign the signature paper for the laboratory lecture.

16. The students must come to the laboratory on time. The students who come late to the laboratory will not be admitted to the laboratory. It is not possible to leave the laboratory before the period of course is completed. In any extraordinary situation, the relevant instructor should be informed.

17. The students must attend to the laboratory in their own groups.

18. It is forbidden to take any material and labware out of the laboratory.

19. If electrical equipment will be used during work, first it has to be made sure that the hands and the relevant area are not wet.

20. Mobile phones should not be used, photos and videos should not be taken in the laboratory except for the purpose of the lesson.

21. As the COVID-19 pandemic conditions continue, it is mandatory to wear a mask in the laboratory, because laboratory groups are crowded and the same labware are being used by the different groups of students,

22. Necessary administrative/disciplinary action will be taken against students who do not comply with the rules and warnings mentioned above.