

Biosafety – training: BLS-1 and BSL2 questionnaire

Date:

Name:

position:

Education:

Multiple choice test: read the question and tick the correct alternative

1. In accordance with the rules of CTNBio, genetically modified organisms can be classified into different biological risk classes according to the following criteria:

- (A) pathogenic potential of the donor and recipient organism
- (B) Nucleotide sequence transferred and its expression in the host organism
- (C) GMOs and resulting adverse effects on human, animal, plant and environment
- (D) All alternatives are correct

2. Considering a risk I GMOs is correct:

- (A) Contains nucleotide sequences from a donor and recipient organism that does not cause harm to human health, animal, plant and environment.
- (B) Contains nucleotides sequences from a donor organism and recipient with moderate risk of harm to human, animal, plant and environment.
- (C) The parental organisms don't cause disease and lives in animals, air, water, soil and others
- (D) The OGM experimentation don't need to be performed in the BSL-1 facility.

3. Considering a risk II GMO is correct:

- (A) Contains nucleotide sequences from donor and recipient organism that does not cause harm to human health, animal, plant and environment.
- (B) Contains nucleotide sequences from donor organism and recipient with moderate risk of harm to human, animal, plant and environment.
- (C) The risk I GMO naturally occurs in the environment
- (D) The OGM experimentation don't need to be performed in the BSL-2 facility.

4. Mouth pipetting is allowed in the BSL-1 and BSL-2 facility.

- (A) Yes
- (B) No
- (C) It depends on the skill and experience of the operator.
- (D) Only in the BSL-1 area.

5. Considering experimentation with risk 1 GMO at a BSL-1 facility, is correct to say that:

- (A) You don't need to decontaminate liquid waste, simply discard the sink.
- (B) You don't need to decontaminate solid waste, simply discard in the trash.
- (C) Training for handling risk I GMO isn't necessary.

(D) Any individual who will develop activities in a BSL-1 laboratory with GMO risk I need to receive training. Any project should be supervised by a principal investigator who will assess the need for specific training and procedures. All solid and liquid waste must be decontaminated before disposal, and solid waste can be placed in suitable containers for decontamination.

6. The decontamination of NB-1 Laboratory bench:

(A) it is not necessary to decontaminate BSL-1 benches, because GMO risk I don't cause disease.

(B) Decontamination is done only by the principal investigator.

(C) Decontamination is performed at least once daily, or whenever contamination.

(D) Decontamination is done only once a month.

7. As to the use of cosmetics and food consumption is correct to state that:

(A) Remove gloves before eating in BSL-1 lab.

(B) Remove gloves before applying cosmetics in BSL-1 lab.

(C) Put on face mask to chew gum in BSL-1 lab.

(D) Do not eat food, do not apply cosmetic and do not chew gum in BSL-1 lab.

8. As for the BSL-2 laboratory is correct:

(A) The only requirement to enter in the BSL-2 laboratory is to put on protective personal equipment like lab coat, gloves, mask and goggles.

(B) Only authorized people can enter in BSL-2 laboratory.

(C) It isn't necessary to perform experiments in safety cabinet (laminar flow).

(D) Workers should decontaminate working surfaces once a day.

9. As for the disposal of waste generated in BSL-2 laboratory is correct:

(A) Place the material in a plastic bag and take to the wash room.

(B) Call the principal investigator to decontaminate and getting rid of the trash.

(C) There must be an autoclave within the BSL-2 room to sterilize all waste, and residues. Waste can only be removed from the BSL-2 room after decontamination.

(D) Allow the contaminated material within the laminar flow decay until all contaminants disappear.

10. When leaving a BSL-1 or BSL-2 laboratory is correct:

(A) Discard gloves in the appropriate place, and leave the lab after washing hands. If you are using other PPE, discard them or save them in an appropriate place.

(B) Workers don't need to wash hands since they were wearing gloves.

(C) You can leave the BSL-1 or BSL-2 facility wearing all the PPE if you plan to return.

(D) If you are leaving the lab for a short time and plan to return you can keep wearing lab coat, but take off the gloves because the gloves may be contaminated.