All researchers intending to use BIOHAZARDOUS materials must take this test.

Please read the training manual before taking the test.

BIOSAFETY TRAINING

TEST

TENNESSEE STATE UNIVERSITY BIOSAFETY OFFICE

Name	
Title	
Building and Room Number	
Department	
Telephone Number	
Email	

SECTION 1: QUIZ QUESTIONS

Ů.	_0	1 1. 4012 6	, o _ o . i o i i o				
1.	States?	·	·	most common	chronic bloodb	orne infection in	the United
	☐ b. I	Hepatitis B virus Hepatitis C virus Human immuno		(HIV)			
2.			atitis B vaccine i entially exposed Talse			and is available a	t a reduced cost
3.	True or F	False: Human c [ell lines are treat False	ed as Bloodbo	rne Pathogens	by OSHA/TOSH	A.
SE	ECTION	2: QUIZ QU	ESTIONS				
4.	Which of a.		atements is FAL of BSL-2 materia		one in a biosaf	ety cabinet.	
			2 lab, the biohaz / contaminated e	•	ıst be posted o	n the door and or	1
	□ c.	A biologic materials.		t must be prese	ent in the lab w	hen using BSL-2	
	☐ d.		ootentially contai d before they are		SL-2 materials	must be autoclav	ed or chemically
	☐ e.		ps or sealed roto fuge must be use			fuging BSL-2 mat	erials; otherwise,
5.	Branch	- Laboratory Ce	entre for Disease	Control. The	y can be acce	from Canada's He ssed via the EOH f the following sta	ISS
	☐ a.					oculation, droplet ous fluids or tissu	
	b.		pest to use a 1% nation, before cle		chlorite solution	, allowing a 30-m	inute contact time
	c.	Vaccination is	not recommend	ed.			
	□ d.		•			potentially infection	

SECTION 3: QUIZ QUESTIONS

6.		SU's Bloodborne Pathogens Exposure Control Plan and Recombinant DNA requirements can be coessed through which of the following methods?				
	☐ a. `	Visiting the Biosafety website.				
	□ b.	Calling the Biosafety office.				
	c.	In the TSU Laboratory Safety Plan binder which should be in each laboratory.				
	☐ d. <i>F</i>	All of the above.				
7.	Human c	ell lines ordered from ATCC: Are considered other potentially infectious material (OPIM) by CDC and OSHA/TOSHA.				
	□ b.	May only be used in a BSL-2 laboratory that has registered with the campus IBC by completing a pathogens registration form.				
	□ c.	May be used with no restrictions.				
	☐ d.	Are only to be handled by personnel who have proven immunity to Hepatitis B virus or who signed a Hepatitis B Vaccination declination form.				
	□ е.	a, b and d				
8.	rcher at TSU is working with a retroviral vector purchased from Invitrogen to transfect humans. Choose the best answer that describes the necessary steps before conducting this work.					
	□ a.	This work must be carried out at BSL-2, but registration is not required with the IBC.				
	☐ b.	This experiment is exempt from the NIH rDNA guidelines and registration with your campus IBC is not required.				
	□ c.	An rDNA and Pathogen Registry Form must be submitted to your IBC.				
SE	ECTION 4:	: QUIZ QUESTIONS				
9.	What type a. b. c. d.	e of gloves offer superior protection from blood and OPIM with good tactile sensation? Nitrile gloves. Powdered latex gloves. Vinyl gloves. Unpowdered latex.				
10	. Match th	ne cause with the each of the three incidents below: No use of sealed rotors or safety cups No safety needles Improper eye protection Work practices (PPE, decontamination, use of BSC)				

10A. A Thomas Jefferson University researcher developed vaccinia infection in her left eye.
□a □ b □ c □ d
10B. Yale researcher developed Sabia Virus. □a □ b □ c □ d
10C. A post-doc was viewing a gel on a UV-transilluminator and suffered serious burns to face and eyes. ☐ a ☐ b ☐ c ☐ d
11. Which of the following is FALSE when working in a Class II biological safety cabinet? a. The person working at the hood is protected because materials used within the cabinet are contained by room air that is drawn into the cabinet.
□ b. Cultures in the cabinet are kept sterile because the air in the cabinet has passed through a high-efficiency particulate air (HEPA) filter.
☐ c. Using a Bunsen burner within the cabinet will help keep cultures sterile.
d. Air exhausted from the cabinet is filtered by high-efficiency particulate air filters, so contaminants do not enter the lab.
SECTION 5: QUIZ QUESTIONS 12. The materials listed below are going to be disposed. Next to each item, indicate the proper trash
container for disposal. A. Normal Trash B. Regulated Medical Waste Container
a. unused petrie dishes A B.
b. used petrie dishes
c. gloves used for chemicals (not overtly contaminated)☐ A. ☐ B.
d. gloves used for biological materials☐ A.☐ B.
e. paper towels used for general lab clean-up
f. agarose gels A. B.
g. acrylamide gels

	e: Laboratory supplies that were in contact with human cell lines obtained from ATCC must ninated before being disposed of in the regulated medical waste container.
☐ True	☐ False
	e: Pound for pound, it costs approximately four times as much to dispose of Regulated ste as normal trash. ☐ False
∟ IIue	□ Faise
SECTION 6: QUI	Z QUESTIONS
best way to	
∟ a.	Call EOHSS directly at their office phone number.
☐ b.	Call Public Safety Dispatch and the dispatcher will call EOHSS.
☐ c.	Send an email to EOHSS requesting assistance.
\Box d.	None of the above.
16 What is mad	int but the terms "even acting in aid on tO"
To. What is mea ☐ a.	ant by the term "exposure incident?" An exposure to mucous membranes such as the eyes and nose.
□ b.	An exposure to non-intact skin such as skin that has a rash or is chapped.
□ c.	A stick from a contaminated needle or sharp.
☐ d.	Any skin exposure to BSL-2 materials, independent of whether the skin is intact or non-intact.
☐ e.	a, b and c.
SECTION 7:	QUIZ QUESTIONS
the best □ a. Ca □ b. Ca □ c. Se	nable to clean a biological spill on your own, you can call EOHSS for assistance. What is tway to reach them? all EOHSS directly at their office phone number. all Public Safety Dispatch and the dispatcher will call EOHSS. and an email to EOHSS requesting assistance. one of the above.
☐ a. Ar ☐ b. Ar ☐ c. A ☐ d. Ar	ant by the term "exposure incident?" In exposure to mucous membranes such as the eyes and nose. In exposure to non-intact skin such as skin that has a rash or is chapped. It is stick from a contaminated needle or sharp. In the skin exposure to BSL-2 materials, independent of whether the skin is intact or non-intact. It is and c.

SECTION 8: QUIZ QUESTIONS

19.	Indicate whether each of the following people need to attend an IATA Training Seminar every two years: a. John Wang, a secretary who makes an appointment with FedEx to pick up packages of biological materials. Yes No		
	b.		an office secretary who prepares the required hazardous materials description on the the direction of another, item by item. No
	C.		end out a similar package containing a category A biological substances every prints out a Dangerous Goods Declaration form and signs it.
20.			med human cells meeting the definition of a Biological Substance Category B are ackage would need a UN3373 diamond shaped label and must be triple packed.