

LATG- Quiz # 2 (Ch. 4, 5)

1. According to GLP regulations all protocol changes and the reasons for the changes must be documented and signed by the _____.
 - a. Staff Veterinarian
 - b. Study Director
 - c. Toxicologist
 - d. IACUC
2. Which of the following statements is true about quality assurance units according to GLP regulations?
 - a. The QA unit is composed of individuals who are responsible for monitoring each study
 - b. The QA unit is independent of the personnel who conduct studies
 - c. The QA unit is an ongoing verification system for the various aspects of laboratory operation
 - d. All of the above are true
3. Photo intensity light levels above _____ foot-candles cause retinal damage in some albino animals.
 - a. 30
 - b. 75
 - c. 95
 - d. 120
4. Two common types of immunogenetic markers used in genetic monitoring are _____ and _____ antigens.
 - a. Platelet; Hepatocellular
 - b. LPS; WBC
 - c. Erythrocyte; Leukocyte
 - d. Erythrocyte and Histocompatibility
5. What is the formula used to determine sample size in serologic monitoring of a rodent colony for infectious diseases?
 - a. $\log_e (1.0+C)/\log_e (1.0+M)$
 - b. $\log_e (2.0-C)/\log_e (2.0-M)$
 - c. $\log (1.0+D)/\log (1.0+C)$
 - d. $\log_e (1.0-C)/\log_e (1.0-M)$
6. What is the most common occupational health problem in people working with laboratory animals?
 - a. Carpal tunnel syndrome
 - b. Chronic back pain
 - c. Hepatitis B and Rabies infection
 - d. Allergies

7. What is the efficiency of HEPA filters?
- removes 95.50% of particles that are 0.3 μm in diameter or larger
 - removes 90.99% of particles that are 0.3 μm in diameter or smaller
 - removes 99.97% of particles that are 0.3 μm in diameter or larger
 - removes 98.79% of particles that are 0.3 μm in diameter or smaller
8. There are 3 classes of biological safety cabinets. Identify which type of cabinet should be used for BSL-4 agents, such as Ebola, Hantavirus, and Marburg virus.
- Class II, Type A
 - Class III
 - Class II, Type B
 - Class I
9. Which documents from a chemical vendor gives specific information on the physical properties and toxicological information of a chemical substance?
- TLVs
 - MSDS
 - EPA
 - NRC
10. Which of the following is the method of choice for decontaminating infectious waste prior to removing it from a biocontainment area?
- EtO
 - Steam autoclaving
 - Cold sterilization
 - Clidox fogging
11. How long does it take for an immunocompetent animal to produce an immune response against an infectious agent?
- 3-7 days
 - 5-10 days
 - 10-14 days
 - 21-28 days

12. The ILAR document that is considered to be the standard by which all occupational health programs involving research animals are measured is the

_____.

- a. Guide for the Care and Use of Laboratory Animals
- b. Occupational Health and Safety in Care and Use of Research Animals
- c. Guide for Environmental Health and Safety in the Laboratory
- d. Research Animal Guide for Occupational Health and Safety