

Refrigerator Test

Minimum passing score is 80%

1. At a minimum, how often should the battery maintenance on an alarm be performed?
 - a. one year
 - b. three year
 - c. two year
 - d. whenever battery goes dead
2. The condenser must be dusted/cleaned for debris/dirt at least every?
 - a. 3 months
 - b. 4 months
 - c. 6 months
 - d. 1 year
3. What are the steps to cleaning the condenser and its filter? Choose the *best* answer
 - a. Blow dust off with air hose
 - b. Vacuum condenser coils and run water through filter
 - c. Vacuum condenser coils and vacuum filter
 - d. Vacuum condenser coils and replace filter
4. During a PM what should you check for around the gaskets of the door?
 - a. Dirt
 - b. Cracks
 - c. Leaks
 - d. Streaks of frost
 - e. All of the above
5. What color are emergency generator outlets in a laboratory room?
 - a. Clear
 - b. Tan
 - c. Red
 - d. Beige
6. The chart recorder is considered user maintenance, what is the type of battery does it use?
 - a. 1.5 V
 - b. 2.5 9V 6mAh
 - c. 9V
 - d. 9V 5.6mAh
7. What is the temperature range for general biologic refrigerators? Blood Bank?

- a. 2 to 6 C; 1 to 32C
- b. 3 to 6 C; 8 to 9 C
- c. 3 to 6 C; 1 to 6 C
- d. 2 to 10C; 5 to 8 C

8. SCENARIO: Its after hours, you get a page from the Laboratory saying that the refrigerator is reading over temperature or is not cooling. They need you to come in quickly to fix it. What do you tell them or what do you do?

9. SCENARIO: Medical supply calls you on the telephone saying "My temperature is constantly reading high." What is the first thing you check for?

10. SCENARIO: Its after hours, you get a page from the Lab saying that the refrigerator has a puddle of water inside the unit and/or on the floor. They need you to come in quickly to fix it. What do you tell you do?

11. What do you check for when the unit does not run or power on? May be more than one answer

- a. Unit is unplugged
- b. Blown fuse
- c. Tripped circuit breaker
- d. Ice build up and you need to let it defrost

12. In addition to the audible alarm and visual alarm on the unit what else can be affixed to the unit for added alarm protection? Choose the best answer

- a. Ups system
- b. Remote alarm (e.g. a Sensaphone)
- c. Rotate personnel to monitor temperature 24hours daily.
- d. None of the above

13. What are some sources for help with troubleshooting any equipment item?

- a. Technical Support
- b. Senior BMET
- c. Nurse
- d. All of the above

14. What device do we use to check the temperature calibration versus the display temperature?

- a. Temperature probe
- b. Heat stress monitor
- c. Thermometer

d. Temperature sensor test equipment

15. What could cause the door to not open and close properly? May be more than one answer

- a. Dirt buildup and will need vacuum or cleaned with soapy water.
- b. Spring loaded tension needs replacement and/or adjustment
- c. Debris stuck between the door
- d. Power turned off

16. What does the power out indicator light mean?

- a. Indicates controller is running alarm test
- b. AC power to the unit is disrupted
- c. The current chamber temperature exceeds the lower set point
- d. A 9V battery needs to be replaced

17. Explain how would you fix #17's problem?

18. How long does it take for the temperature for a refrigerator to stabilize?

- a. 5 minutes
- b. 15 minutes
- c. 1 hour
- d. 30 minutes

Trainee Name

Score

Answer Key:

1. C
2. D
3. D
4. E
5. C
6. C
7. A
8. Ask laboratory technician if they have a backup refrigerator. If so, please ask if this can wait until tomorrow morning during regularly scheduled hours AND to move supplies into another location. If there is no backup or additional unit but the only refrigerator available then you must come in after hours to fix the emergency.
9. Door could possibly been left open or ajar
10. Defrost unit
11. A,B,C
12. B
13. A,B
14. A,B
15. A,B,C
16. B
17. Please plug unit back into outlet or check the outlet/circuit breaker in case it has lost power too.
18. 30 minutes