

Vaccine Storage and Handling Pre-Test

1. Vaccine must be stored at proper temperatures. The temperature for refrigerated vaccines is
 - a. Between 2°C and 8°C (35°F and 46°F)
 - b. Between 4°C and 10°C (40°F and 50°F)
 - c. Between -15°C and -50°C (5°F and -58°F)
 - d. Above 0°C (32°F)

2. The MIN and MAX temps should be observed and recorded every morning. What is the MIN temperature on a MIN/MAX thermometer?
 - a. The number of minutes the unit has stayed at the same temperature.
 - b. The temperature of the coldest spot in the unit.
 - c. The coldest temperature in the unit since the thermometer's temperature was last cleared or reset.
 - d. The minimum acceptable temperature for storing vaccine.

3. The cold chain means the vaccine should be placed in the storage unit "touching each other"- forming a chain.
 - a. True
 - b. False

4. Which vaccine is NOT stored in the freezer?
 - a. MMRV
 - b. Varicella
 - c. MMR
 - d. Haemophilus Influenzae Type B

5. It is easy to determine if a vaccine that has been exposed to excessive heat or cold by its appearance.
 - a. True
 - b. False

6. Which of the following are **true** for proper vaccine placement of vaccine (select all that apply)
 - a. Vaccines should be placed next to vents inside the refrigerator or freezer to ensure they are kept cold.
 - b. Space should be left between vaccines and the back/sides of the refrigerator.
 - c. Vaccines should be placed on a different shelf, away from food/drinks.
 - d. Vaccines should not be placed on the door of the storage unit.
 - e. Vaccines cannot be placed in the vegetable crisper bins.

7. Which of the following should be used to assist in maintain stable temperatures in a refrigerator?
 - a. Frozen Ice packs
 - b. Unopened water bottles
 - c. Any type of non-carbonated cans or bottles
 - d. Empty boxes of vaccine to take up any extra space

8. What is the definition of a “Dorm Style” refrigerator unit?

9. Diluents are usually interchangeable between the vaccines that need to be reconstituted.

- a. True
- b. False

10. Vaccines may be taken out of their original packaging as long as they are placed in a basket to prevent them from rolling around?

- a. True
- b. False

11. The vaccines DTaP and Tdap are the same product, just named differently by their manufacturers.

- a. True
- b. False

12. A vaccine expires 03/2019. What date is it unsafe to administer this vaccine? _____

13. Every practice should have a Vaccine Management Plan in their office. Who should know where it is located and what the contents of the plan is?

- a. Only the Medical Director
- b. Only the Primary Vaccine Coordinator
- c. Only the Primary and the Assistant
- d. The Primary, the Assistant, and all other practice staff

14. What is the first action to take if you notice the temperature on a vaccine storage unit is out of range?

15. Failure to store and handle vaccines properly

- a. May reduced potency, resulting in inadequate immune responses in patients and poor protection against disease
- b. May cause patients to lose confidence in vaccines and their providers when revaccination is necessary
- c. May result in significant financial loss if the vaccine(s) cannot be used.
- d. All of the above