

Vaccine Provider's Name: \_\_\_\_\_

## **Pfizer-BioNTech COVID-19 Vaccine EXAMPLE Competency Exam**

The following questions refer to the *Pfizer-BioNTech* COVID-19 vaccine vials with the **ORANGE** cap. Refer to the [EUA Fact Sheet](#) for Healthcare Providers for questions 1-13:

1. This vaccine is authorized for use in the following individuals:  
a. Ages 5-11 years      b. Ages  $\geq 12$  years      c. Ages  $\geq 16$  years      d. Both (a) & (b) are correct
2. When vials arrive frozen in thermal containers, IMMEDIATELY store vaccines under the following conditions:  
a. Ultra-cold (-90°C to -60°C) storage unit for up to 9 months from date of manufacture or per EUA  
b. Freezer (-25°C to -15°C) for up to 2 weeks  
c. Refrigerator (2°C to 8°C) for up to 1 month  
d. Refrigerator (2°C to 8°C) for up to 10 weeks  
e. Both (a) & (d) are correct  
f. All EXCEPT (d) are correct
3. Alternatively, these vials can be stored in the thermal shipping container the vaccine arrived in temporarily for up to 30 days from delivery as long as dry ice is consistently re-filled as recommended.  
a. True      b. False
4. Frozen vials can take up to \_\_\_\_\_ to thaw in the refrigerator (2°C to 8°C), or vials can thaw for \_\_\_\_\_ at room temperature (up to 25°C).  
a. 3 hours; 30 minutes      b. 4 hours; 30 minutes      c. 6 hours; 30 minutes
5. Thawed vials MUST be diluted prior to drawing up vaccine.  
a. True (continue to question #6)      b. False (answer "N/A" for questions #6-9)
6. Thawing UNDILUTED vials in the REFRIGERATOR (2°C to 8°C) can be stored for up to \_\_\_\_\_.  
a. 4 days      b. 31 days (1 month)      c. 2 months      d. 10 weeks      e. N/A
7. For immediate use, thawing undiluted vials for 30 minutes at ROOM TEMPERATURE (up to 25°C) must then be diluted within \_\_\_\_\_.  
a. 2 hours      b. 6 hours      c. 12 hours      d. 24 hours      e. N/A
8. Before AND after diluting the vial, you should:  
a. GENTLY invert vaccine vial 10 times      b. Shake the vial vigorously      c. Swirl the vial      d. N/A
9. The appropriate diluent to use is:  
a. 1.8mL of 0.9% Sodium Chloride Injection      b. 1.3mL of 0.9% Sodium Chloride Injection  
c. 1.8mL of Bacteriostatic Sodium Chloride Injection      d. 1.3mL of Sterile Water      e. N/A
10. After first puncture, store the vial of vaccine between \_\_\_\_\_ and discard after \_\_\_\_\_. Information in the EUA supersedes what's printed on vials/cartons.  
a. -90°C to -60°C; 6 hours      b. -90°C to -60°C; 12 hours      c. 2°C to 25°C; 6 hours      d. 2°C to 25°C; 12 hours
11. Each vial contains \_\_\_\_\_ doses.  
a. 5      b. 6      c. 10      d. 15
12. How should the vaccine be administered?  
a. Intramuscularly; 0.1mL per dose      b. Intramuscularly; 0.2mL per dose  
c. Intramuscularly; 0.3mL per dose      d. Intramuscularly; 0.5mL per dose
13. A vial of this product has a date of manufacture printed as "12/2021". What's the calculated expiration?  
a. 04/30/2022      b. 05/31/2022      c. 06/30/2022      d. 07/31/2022      e. 08/31/2022

Vaccine Provider's Name: \_\_\_\_\_

The following questions refer to the *Pfizer-BioNTech* COVID-19 vaccine vials with the **PURPLE** cap. Refer to the [EUA Fact Sheet](#) for Healthcare Providers for questions 14-25:

14. This vaccine can be used in the following individuals:

- a. Ages 5-11 years      b. Ages  $\geq 12$  years      c. Ages  $\geq 16$  years      d. Both (a) & (b) are correct

15. When vials arrive frozen in thermal containers, IMMEDIATELY store vaccines under the following conditions:

- a. Ultra-cold ( $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ ) storage unit for up to 9 months from date of manufacture or per EUA  
b. Freezer ( $-25^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$ ) for up to 2 weeks  
c. Refrigerator ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ) for up to 1 month  
d. Refrigerator ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ) for up to 10 weeks  
e. Both (a) & (b) are correct  
f. All EXCEPT (d) are correct

16. Alternatively, these vials can be stored in the thermal shipping container the vaccine arrived in temporarily for up to 30 days from delivery as long as dry ice is consistently re-filled as recommended.

- a. True      b. False

17. Frozen vials can take up to \_\_\_\_\_ to thaw in the refrigerator ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ), or vials can thaw for \_\_\_\_\_ at room temperature (up to  $25^{\circ}\text{C}$ ).

- a. 3 hours; 30 minutes      b. 4 hours; 30 minutes      c. 6 hour; 30 minutes

18. Thawed vials MUST be diluted prior to drawing up vaccine.

- a. True (continue to question #19)      b. False (answer "N/A" for questions #19-22)

19. Thawing UNDILUTED vials in the REFRIGERATOR ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ) can be stored for up to \_\_\_\_\_

- a. 4 days      b. 31 days (1 month)      c. 2 months      d. 10 weeks      e. N/A

20. For immediate use, thawing undiluted vials for 30 minutes at ROOM TEMPERATURE (up to  $25^{\circ}\text{C}$ ) must then be diluted within \_\_\_\_\_.

- a. 2 hours      b. 6 hours      c. 12 hours      d. 24 hours      e. N/A

21. Before AND after diluting the vial, you should:

- a. GENTLY invert vaccine vial 10 times      b. Shake the vial vigorously      c. Swirl the vial      d. N/A

22. The appropriate diluent to use is:

- a. 1.8mL of 0.9% Sodium Chloride Injection      b. 1.3mL of 0.9% Sodium Chloride Injection  
c. 1.8mL of Bacteriostatic Sodium Chloride Injection      d. 1.3mL of Sterile Water      e. N/A

23. After first puncture, store the vial of vaccine between \_\_\_\_\_ and discard after \_\_\_\_\_. Information in the EUA supersedes what's printed on vials/cartons.

- a.  $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ ; 6 hours      b.  $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ ; 12 hours      c.  $2^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ ; 6 hours      d.  $2^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ ; 12 hours

24. Each vial contains \_\_\_\_\_ doses.

- a. 5      b. 6      c. 10      d. 15

25. How should the vaccine be administered?

- a. Intramuscularly; 0.1mL per dose      b. Intramuscularly; 0.2mL per dose  
c. Intramuscularly; 0.3mL per dose      d. Intramuscularly; 0.5mL per dose

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The following questions refer to the *Pfizer-BioNTech* COVID-19 vaccine vials with the **GRAY** cap. Refer to the [EUA Fact Sheet](#) for Healthcare Providers for questions 26-38:

26. This vaccine can be used in the following individuals:

- a. Ages 5-11 years      b. Ages  $\geq 12$  years      c. Ages  $\geq 16$  years      d. Both (a) & (b) are correct

27. When vials arrive frozen in thermal containers, **IMMEDIATELY** store vaccines under the following conditions:

- a. Ultra-cold ( $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ ) storage unit for up to 9 months from date of manufacture or per EUA  
b. Freezer ( $-25^{\circ}\text{C}$  to  $-15^{\circ}\text{C}$ ) for up to 2 weeks  
c. Refrigerator ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ) for up to 1 month  
d. Refrigerator ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ) for up to 10 weeks  
e. Both (a) & (d) are correct  
f. All EXCEPT (d) are correct

28. Alternatively, these vials can be stored in the thermal shipping container the vaccine arrived in temporarily for up to 30 days from delivery as long as dry ice is consistently re-filled as recommended.

- a. True      b. False

29. Frozen vials can take up to \_\_\_\_\_ to thaw in the refrigerator ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ), or vials can thaw for \_\_\_\_\_ at room temperature (up to  $25^{\circ}\text{C}$ ).

- a. 3 hours; 30 minutes      b. 4 hours; 30 minutes      c. 6 hours; 30 minutes

30. Thawed vials **MUST** be diluted prior to drawing up vaccine.

- a. True (continue to question #31)      b. False (answer "N/A" for questions #31-33)

31. Thawing **UNDILUTED** vials in the **REFRIGERATOR** ( $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$ ) can be stored for up to \_\_\_\_\_

- a. 4 days      b. 31 days (1 month)      c. 2 months      d. 10 weeks      e. N/A

32. For immediate use, thawing undiluted vials for 30 minutes at **ROOM TEMPERATURE** (up to  $25^{\circ}\text{C}$ ) must then be diluted within \_\_\_\_\_.

- a. 2 hours      b. 6 hours      c. 12 hours      d. 24 hours      e. N/A

33. The appropriate diluent to use is:

- a. 1.8mL of 0.9% Sodium Chloride Injection      b. 1.3mL of 0.9% Sodium Chloride Injection  
c. 1.8mL of Bacteriostatic Sodium Chloride Injection      d. 1.3mL of Sterile Water      e. N/A

34. Before drawing up the vaccine, you should:

- a. GENTLY invert vaccine vial 10 times      b. Shake the vial vigorously      c. Swirl the vial

35. After first puncture, store the vial of vaccine between \_\_\_\_\_ and discard after \_\_\_\_\_. Information in the EUA supersedes what's printed on vials/cartons.

- a.  $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ ; 6 hours      b.  $-90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$ ; 12 hours      c.  $2^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ ; 6 hours      d.  $2^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ ; 12 hours

36. Each vial contains \_\_\_\_\_ doses.

- a. 5      b. 6      c. 10      d. 15

37. How should the vaccine be administered?

- a. Intramuscularly; 0.1mL per dose      b. Intramuscularly; 0.2mL per dose  
c. Intramuscularly; 0.3mL per dose      d. Intramuscularly; 0.5mL per dose

38. A box of this product has a date of **manufacture** printed as "**12/2021**". What's the calculated expiration?

- a. 04/30/2022      b. 05/31/2022      c. 06/30/2022      d. 07/31/2022      e. 08/31/2022

**The following questions refer to ALL Pfizer-BioNTech COVID-19 vaccine products:**

39. The vaccine is a \_\_\_\_\_ primary series with the 2<sup>nd</sup> dose ideally given on day \_\_\_\_\_.  
a. 2-dose; 21    b. 2-dose; 28    c. 3-dose; 14    d. 1-dose; 21
40. True/False    It is recommended to pool excess vaccine from multiple vials to make a full dose.
41. True/False    Once vials have been thawed, they can be refrozen if needed.
42. True/False    Before drawing up a dose of the vaccine, vigorously shake the vial to properly mix the product.
43. True/False    Dry ice, when stored in a tightly closed container, can build pressure and potentially explode. [Dry Ice Safety](#)
44. True/False    Ultracold shippers containing dry ice should be opened in a small, enclosed space
45. True/False    Transporting thawed vials at 2°C to 8°C is not supported under the EUA.
46. True/False    It is encouraged to interchange with other COVID-19 vaccines to finish the primary series.
47. True/False    Booster doses of Pfizer vaccine should be given as HALF doses.
48. Regarding the “Fact Sheet for Recipients and Caregivers”, the vaccination provider **MUST**:  
a. Provide a copy of the Fact Sheet  
b. Direct the recipient/caregiver to the website [www.cvdvaccine.com](http://www.cvdvaccine.com) to obtain the Fact Sheet  
c. Any of the above are correct  
d. None of the above are correct; providing the Fact Sheet is NOT Required
49. The vaccination provider is responsible for mandatory reporting of the following that occur post-administration of this vaccine to the Vaccine Adverse Event Reporting System (VAERS):  
a. Vaccine administration errors, even if no adverse event occurred  
b. Serious adverse events (life-threatening, death, hospitalization, etc.)  
c. Cases of Multisystem Inflammatory Syndrome (MIS) in adults and children  
d. Cases of COVID-19 that result in hospitalization or death  
e. All of the above are correct
50. The vaccination provider must communicate to the recipient/caregiver information consistent with the “Fact Sheet for Recipients and Caregivers” prior to vaccine administration, including:  
a. FDA has authorized emergency use of this vaccine for ages ≥5 years (Comirnaty is FDA approved for ≥16 years)  
b. The recipient or caregiver has the option to accept or refuse the vaccine  
c. Significant known/potential risks & benefits of the vaccine, and the extent to which risks & benefits are unknown  
d. Information about the available alternative vaccines and the risk and benefits of those alternatives  
e. All of the above are correct
- The following information can be found on the CDC website for Interim Clinical Considerations for Use of COVID-19 Vaccines Currently Authorized in the U.S. by clicking [here](#):
51. True/False    Patients ≥5 years considered moderately to severely immunocompromised per CDC should be offered an additional dose (i.e., 3<sup>rd</sup> dose) of this vaccine at least 28 days after completing the series.
52. True/False    Patients who are immunocompromised, pregnant, breast-feeding, or have history of a resolved COVID-19 infection can generally be offered this COVID vaccine.
53. True/False    Patients who are currently on home isolation with suspected or confirmed COVID should come to the clinic to get vaccinated during their quarantine period.
54. True/False    An unvaccinated patient just completed home isolation protocol due to resolved COVID-19 infection. However, the patient must wait at least 90 days before receiving the vaccine.
55. True/False    Individuals aged ≥12 years that are fully immunized with Pfizer-BioNTech COVID-19 vaccine may receive a booster dose at least 5 months after the 2<sup>nd</sup> dose of their primary series.
56. What is the minimum interval for the second dose of the vaccine to be consider as “valid”?  
a. 14 days    b. 17 days    c. 21 days    d. 28 days
57. It is recommended to space the COVID vaccine from any other vaccine by at least:  
a. 7 days    b. 14 days    c. 21 days    d. Minimum spacing is no longer recommended
58. Which of the following patients need to be observed for at least 30 minutes post-vaccination (versus the standard 15 minutes) to monitor for the occurrence of immediate adverse reactions?  
a. History of an immediate allergic reaction of any severity to non-COVID-19 vaccines or injectables  
b. History of anaphylaxis due to any cause (unrelated to COVID vaccine components)  
c. History of immediate/severe allergic reaction to polyethylene glycol (PEG)  
d. Both (a) and (b) are correct

Vaccine Provider's Printed Name

Signature

Date