



Temperature Monitoring Guidelines:

1. Check and record the min/max temperatures of the storage units each day using a temperature monitoring device.
2. If your temperature monitoring device does not automatically record min/max temperatures, record the temperature at the start and end of each workday.

Pfizer-BioNTech COVID-19 Vaccine Storage Temperature Requirements

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| <p style="text-align: center;">Frozen Storage</p> <ul style="list-style-type: none"> • Vials stored at -25°C to -15°C (-13°F to 5°F) for up to 2 weeks may be returned one time to the recommended storage condition of - 80°C to -60°C (-112°F to -76°F). • Total cumulative time the vials are stored at - 25°C to -15°C (-13°F to 5° F) should be tracked and should not exceed 2 weeks. | <p style="text-align: center;">Ultra-Cold Storage</p> <ul style="list-style-type: none"> • Store as frozen liquid at -80°C to - 60°C until expiration date. • Storage of the vials between -96° C to -60°C (-141°F to -76°F) is not considered an excursion from the recommended storage condition. |
| <p style="text-align: center;">Refrigerator Storage</p> <ul style="list-style-type: none"> • Can be stored at 2°C to 8°C (35°F to 46°F) up to 1 month. • Room temperature hold time is no more than 2 hours. • Thaw from frozen for 2-3 hours at 2°C to 8°C (35°F to 46°F) or 30 minutes at room temperature for immediate use. • Post dilution in use period is 6 hours. | <p style="text-align: center;">Room Temperature Storage</p> <ul style="list-style-type: none"> • No more than 2 hours |

Thawing Options

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| <p><i>Option 1</i></p> <ul style="list-style-type: none"> • Transfer frozen vials immediately to refrigerator, and thaw for 2-3 hours at 2°C to 8° C (35°F to 46°F). • Vials may be stored in refrigerator for up to 5 days or 120 hours before dilution. | <p><i>Option 2</i></p> <ul style="list-style-type: none"> • Thaw at room temperature for 30 minutes if using immediately. • Vials may be held at room temperature for no more than 2 hours prior to dilution. |
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DO NOT REFREEZE THAWED VIALS



Moderna COVID-19 Vaccine Storage Temperature Requirements

Frozen Storage

- Store as frozen liquid at -25°C to -15°C (-13°F to 5°F) for up to 6 months.
- Do not store on dry ice or below -40°C (-40°F).

Refrigerator Storage

- Store vials at 2°C to 8°C (36°F to 46°F) up to 30 days.
- Do not refreeze thawed vials.
- Store punctured vials at 2°C to 25°C (36°F to 77°F) for a maximum of 12 hours.
- Discard any punctured vials after 12 hours.
- Dispose of any vials with unused vaccine as medical waste.

Room Temperature Storage

- Store at room temperature 15°C to 25°C (59°F to 77°F) for up to 24 hours.
- Do not refreeze thawed vials.

Thawing Options

Option 1

- Transfer frozen vials to refrigerator and thaw 2.5 hours at 2°C to 8°C (36°F to 46°F); then thaw for an additional 15 minutes at room temperature.
- Vials may be stored in the refrigerator for up to 30 days at 2°C to 8°C (36°F to 46°F).

Option 2

- Thaw at room temperature 15°C to 25°C (59°F to 77°F) for 1 hour if using immediately.
- Vials may be held at room temperature for no more than 24 hours.

DO NOT REFREEZE THAWED VIALS



J&J (Janssen) COVID-19 Vaccine Storage Temperature Requirements

Refrigerator Storage

- Store vials at 2°C to 8°C (36°F to 46°F).
- Store punctured vials at 2°C to 8°C (36°F to 46°F) for a maximum of six (6) hours.
- Discard any punctured vials after six (6) hours. Dispose of any vials with unused vaccine as medical waste.

Room Temperature Storage

- Unpunctured vials may be stored at 9°C to 25°C (47°F to 77°F) for up to 12 hours.
- Punctured vials can be stored at room temperature for up to 2 hours.

Thawing Options (if vaccines arrive frozen)

Option 1

- Transfer frozen vials to refrigerator and thaw 2.5 hours at 2°C to 8°C (36°F to 46°F); then thaw for an additional 15 minutes at room temperature.
- Vials may be stored in the refrigerator for up to 30 days at 2°C to 8°C (36°F to 46°F).

Option 2

- Thaw at room temperature 9°C to 25°C (47°F to 77°F) if using immediately.
- A carton of 10 vials will take 2 hours to thaw.
- An individual vial will take 1 hour to thaw.

DO NOT REFREEZE THAWED VIALS