Indiana Department of Health
Immunizations Division
COVID-19 Vaccine Storage Temperature Requirements

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

<table>
<thead>
<tr>
<th>Frozen Storage</th>
<th>Ultra-Cold Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 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).</td>
<td>• Store as frozen liquid at -80°C to -60°C for up to 6 months.</td>
</tr>
<tr>
<td>• 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.</td>
<td>• 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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Refrigerator Storage</th>
<th>Room Temperature Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Can be stored at 2°C to 8°C (35°F to 46°F) up to 5 days.</td>
<td>• No more than 2 hours</td>
</tr>
<tr>
<td>• Room temperature hold time is no more than 2 hours.</td>
<td></td>
</tr>
<tr>
<td>• Thaw from frozen for 3 hours at 2°C to 8°C (35°F to 46°F) or 30 minutes at room temperature for immediate use.</td>
<td></td>
</tr>
<tr>
<td>• Post dilution in use period is 6 hours.</td>
<td></td>
</tr>
</tbody>
</table>

### Thawing Options

**Option 1**
- Transfer frozen vials immediately to refrigerator, and thaw for 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.

**Option 2**
- 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.

**DO NOT REFREEZE THAWED VIALS**

March 2021
## Moderna COVID-19 Vaccine Storage Temperature Requirements

<table>
<thead>
<tr>
<th>Frozen Storage</th>
<th>Refrigerator Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Store as frozen liquid at -25°C to -15°C (-13°F to 5°F) for up to 6 months.</td>
<td>• Store vials at 2°C to 8°C (36°F to 46°F) up to 30 days.</td>
</tr>
<tr>
<td>• Do not store on dry ice or below -40°C (-40°F).</td>
<td>• Do not refreeze thawed vials.</td>
</tr>
<tr>
<td></td>
<td>• Store punctured vials at 2°C to 25°C (36°F to 77°F) for a maximum of 6 hours.</td>
</tr>
<tr>
<td></td>
<td>• Discard any punctured vials after 6 hours.</td>
</tr>
<tr>
<td></td>
<td>• Dispose of any vials with unused vaccine as medical waste.</td>
</tr>
<tr>
<td><strong>Room Temperature Storage</strong></td>
<td></td>
</tr>
<tr>
<td>• Store at room temperature 15°C to 25°C (59°F to 77°F) for up to 12 hours.</td>
<td></td>
</tr>
<tr>
<td>• Do not refreeze thawed vials.</td>
<td></td>
</tr>
</tbody>
</table>

### 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 12 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**

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