# Moderna COVID-19 Vaccine Storage & Expiry Table

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<th>Moderna COVID-19 Vaccines</th>
<th>Formulations by Age/Cap Colors</th>
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<tr>
<td><strong>Primary Series (Monovalent)</strong></td>
<td>6 months – 5 years monovalent vaccine: Dark Blue Cap / Magenta Label 6 – 11 years monovalent vaccine: Dark Blue Cap / Purple Label 12 years and up: Red Cap / Light Blue Label</td>
<td>Access the expiration date by scanning the QR code located on the vaccine carton.</td>
<td>Frozen -50°C to -15°C (-58°F to 5°F).</td>
<td>Refrigerate 2°C to 8°C (36°F to 46°F) for up to 30 days without puncturing. <strong>Cannot be re-frozen.</strong></td>
<td>Vaccine may be thawed in the refrigerator or at room temperature.  • Refrigerator: Between 2°C and 8°C (36°F and 46°F). <strong>Thaw in the refrigerator for:</strong>  o 2 hours for blue cap products  o 2 hours and 30 minutes for red cap product, 5.5 mL vials  o 3 hours for red cap product, 7.5 mL vials</td>
<td>Unpunctured vials may be stored between 8°C to 25°C (46°F to 77°F) for a maximum of 24 hours.</td>
<td><strong>Moderna COVID-19 Vaccine Storage and Handling Summary</strong>  <strong>Moderna COVID-19 Vaccine Expiration Date Lookup Feature</strong>  <strong>Fact Sheet for Health Care Providers Administering Vaccine (6 months – 5 years)</strong>  <strong>Fact Sheet for Health Care Providers Administering Vaccine (6 – 11 years)</strong>  <strong>Fact Sheet for Health Care Providers Administering Vaccine (12 years and up)</strong>  <strong>Moderna Fact Sheet for Bivalent Booster Dose for 18+ years and older.</strong></td>
</tr>
<tr>
<td><strong>Updated Booster (Bivalent)</strong></td>
<td>6 years and older: Dark Blue Cap / Gray Border Label</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Unpunctured vials may be stored between 8°C to 25°C (46°F to 77°F) for a maximum of 24 hours.</td>
<td>After the first dose has been withdrawn, the vial should be held between 2°C to 25°C (36°F to 77°F). Record the date and time of first use on the Moderna COVID-19 Vaccine label. Vials should be discarded 12 hours after the first puncture.  Do NOT refreeze.</td>
</tr>
</tbody>
</table>

To Thaw

Vaccine may be thawed in the refrigerator or at room temperature.

- **Refrigerator:** Between 2°C and 8°C (36°F and 46°F).
  - **Thaw in the refrigerator for:**
    - 2 hours for blue cap products
    - 2 hours and 30 minutes for red cap product, 5.5 mL vials
    - 3 hours for red cap product, 7.5 mL vials

  Let vial stand at room temperature for 15 minutes before administering.
  Unpunctured vials may be stored in the refrigerator for up to 30 days.

- **Room temperature:** Between 15°C and 25°C (59°F and 77°F).
  - **Thaw at room temperatures for:**
    - 45 minutes for blue cap products
    - 60 minutes for red cap product, 5.5mL vials
    - 90 minutes for red cap product, 7.5mL vials

  Unpunctured vials may be held at room temperature for up to 12 hours.

  **Do NOT refreeze thawed vaccine.**
  **Do NOT dilute.**
  **Do NOT shake but swirl the vial gently after thawing and between each withdrawal.**

**Resources:**

- [Moderna COVID-19 Vaccine Storage and Handling Summary](#)
- [Moderna COVID-19 Vaccine](#)
- [Moderna Expiration Date Lookup Feature](#)
- [Fact Sheet for Health Care Providers Administering Vaccine (6 months – 5 years)](#)
- [Fact Sheet for Health Care Providers Administering Vaccine (6 – 11 years)](#)
- [Fact Sheet for Health Care Providers Administering Vaccine (12 years and up)](#)
- [Moderna Fact Sheet for Bivalent Booster Dose for 18+ years and older.](#)