Guidance below summarizes basic storage, preparation, scheduling, administration, and dosage for ALL Moderna COVID-19 Vaccine products.

### Storage and Handling Basics

Find additional guidance on storing vaccine properly at:
- Storage and Handling of Moderna COVID-19 Vaccines | CDC
- Vaccine Storage and Handling Toolkit-Updated with COVID-19 Vaccine Storage and Handling Information
- Moderna COVID-19 Vaccines | FDA
- Moderna COVID-19 Vaccines | FDA

<table>
<thead>
<tr>
<th>Vial cap color</th>
<th>Supplied in multidose vial</th>
<th>Per vial:</th>
<th>12 years of age and older:</th>
<th>6 - 11 years of age:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monovalent Blue capped vials with magenta-bordered label</td>
<td>10 doses per vial</td>
<td>10 primary doses (0.5 mL) Discard vial and any remaining vaccine after 10 punctures.</td>
<td>5 doses per vial</td>
<td>10 doses per vial</td>
</tr>
<tr>
<td>Monovalent Blue capped vial with purple-bordered label</td>
<td>5 doses per vial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monovalent Red capped vial with blue-bordered label</td>
<td></td>
<td></td>
<td></td>
<td>5 doses per vial</td>
</tr>
<tr>
<td>Bivalent Dark blue capped vial with gray-bordered label</td>
<td></td>
<td></td>
<td></td>
<td>10 doses per vial</td>
</tr>
</tbody>
</table>

**Storage Temperature: Before Puncture**

-50°C and -15°C (-58°F and 5°F) until the expiration date
2°C and 8°C (36°F and 46°F) for up to 30 days
8°C and 25°C (46°F and 77°F) for a total of 24 hours. Discard vial and unused vaccine after 24 hours.

**NOTE:** The beyond-use date (10 weeks) replaces the manufacturer's expiration date but NEVER extends it. Always use the earliest date. Do NOT use vaccine if the expiration date or beyond-use date has passed.

**Thawing Frozen Vaccine**

2°C and 8°C (36°F and 46°F) or 15°C and 25°C (46°F and 77°F)

Amount of time needed to thaw vaccine varies based on temperature and number of vials.

**Storage Temperature: After 1st Puncture**

2°C and 25°C (36°F and 77°F) for up to 12 hours.

Discard vial and any unused vaccine after 12 hours.

---

10/11/2022
Modernat COVID-19 Vaccine
At-A-Glance

Preparation and Administration Basics
Find additional guidance on preparing and administering vaccine properly at:
- Administration of Moderna COVID-19 Vaccines | CDC
- Interim Clinical Considerations for Use of COVID-19 Vaccines | CDC

Preparation

<table>
<thead>
<tr>
<th>Vial cap color</th>
<th>Ages</th>
<th>Beyond-use date/time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 months through 5 years</td>
<td>After first puncture, use within 12 hours</td>
</tr>
<tr>
<td></td>
<td>6 through 11 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12 years and older</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 years and older</td>
<td></td>
</tr>
</tbody>
</table>

- Do NOT use a punctured vial after 12 hours

### Administration

- **COVID-19 vaccine may be administered at the clinical visit as other vaccines.**
- **Do not** "pool vaccine" from more than 1 vial to obtain a dose. If a full dose cannot be withdrawn, discard the vial and any remaining vaccine.

<table>
<thead>
<tr>
<th>Recipient’s Age</th>
<th>Use</th>
<th>Administer</th>
<th>Route</th>
<th>Needle gauge and length</th>
<th>Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 months through 5 years of age</td>
<td>Monovalent Blue capped vial with magenta-bordered label</td>
<td>Primary series: 25 μg/0.25 mL</td>
<td>IM injection</td>
<td>22–25 gauge, 1”</td>
<td>6 months – 2 years of age: Vastus lateralis muscle in the anterolateral thigh†</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 - 5 years of age: Deltoid muscle in the upper arm†</td>
</tr>
<tr>
<td>6 through 11 years</td>
<td>Monovalent Blue capped vial with purple-bordered label</td>
<td>Primary series: 50 μg/0.5 mL</td>
<td>IM Injection</td>
<td>22–25 gauge, 1”</td>
<td>Deltoid muscle in the upper arm†</td>
</tr>
<tr>
<td>12 years or older</td>
<td>Monovalent Red vial cap with blue-bordered label</td>
<td>Primary series: 100 μg/0.5 mL</td>
<td>IM injection</td>
<td>22–25 gauge, 1 – 1½”</td>
<td>Deltoid muscle in the upper arm†</td>
</tr>
<tr>
<td>6 years or older</td>
<td>Bivalent Dark blue capped vial with gray-bordered label</td>
<td>Booster dose only: 6-11 years: 25 μg / 0.25 mL</td>
<td>IM injection</td>
<td>22–25 gauge, 1 – 1½”</td>
<td>Deltoid muscle in the upper arm†</td>
</tr>
</tbody>
</table>

*The deltoid muscle in the upper arm may be used if the muscle mass is adequate.
† Vastus lateralis muscle in the anterolateral thigh may be used.
Modern COVID-19 Vaccine
At-A-Glance

Scheduling Doses
Graphics below provide an overview for the number of doses of vaccine based on the type of dose (primary versus booster), recipient’s age and health status. Review [CDC’s Interim COVID-19 Immunization Schedule](https://www.cdc.gov/vaccines/schedules/hcp/interim.html) for detailed clinical guidance when scheduling doses

For Most Persons

**Moderna (ages 6 months–4 years)**
- PRIMARY
  - In 4-8 weeks
  - PRIMARY

**Moderna (ages 5 years and older)**
- PRIMARY
  - In 4-8 weeks
  - PRIMARY
  - In at least 2 months
  - BIVALENT mRNA BOOSTER*

* Administer an age-appropriate mRNA bivalent booster (i.e., Pfizer-BioNTech for people age 5 years and either Pfizer-BioNTech or Moderna for people ages 6 years and older). For people who previously received a monovalent booster dose(s), the bivalent booster dose is administered at least 2 months after the last monovalent booster dose.

For Moderately or Severely Immunocompromised Persons

**Moderna (ages 6 months–4 years)**
- PRIMARY
  - In 4 weeks
  - PRIMARY
  - In at least 4 weeks
  - PRIMARY

**Moderna (ages 5 years and older)**
- PRIMARY
  - In 4 weeks
  - PRIMARY
  - In at least 2 months
  - BIVALENT mRNA BOOSTER*