

Vaccines & Immunizations

Moderna COVID-19 Vaccine



General Information:

Multidose vial: 10 doses per vial
Dosage: 0.5 mL

Age Indications:

18 years of age and older

Schedule:

2-dose series separated by 28 days
A series started with COVID-19 vaccine (Moderna) should be completed with this product.

Administer:

Intramuscular (IM) injection in the deltoid muscle



EUA



Interim Clinical Considerations



Moderna Covid-19 Vaccine FAQs



ACIP Recommendations

Administration Overview

How to Thaw, Prepare, and Administer the Moderna Vaccine

How to thaw the vaccine



- Vaccine may be thawed in the refrigerator or at room temperature.
- Refrigerator: Between 2°C and 8°C (36°F and 46°F) for 2 hours and 30 minutes
 - Room temperature: Between 15°C and 25°C (59°F and 77°F) for 1 hour
 - Vials that have not been punctured may be kept between 8°C and 25°C (46°F and 77°F) for up to 12 hours. Do **NOT** refreeze thawed vaccine.

How to prepare the vaccine

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1. Assess recipient status:
 - Screen for contraindications and precautions.
 - Review vaccination history.
2. Follow aseptic technique. Perform hand hygiene before vaccine preparation, between patients, when changing gloves (if worn), and any time hands become soiled.*
3. Unpunctured vials: Check the expiration date.
Never use expired vaccine.
Punctured vials: Check the beyond-use time. Never use vaccine after the beyond-use time.
4. With the vial upright, gently swirl the vaccine. Do NOT shake. If the vial is shaken, contact the manufacturer.
Note: Gently swirl the vaccine before withdrawing subsequent doses.
5. Examine the vaccine. It should be white to off-white in color and may contain white particles. Do not use if liquid contains other particulate matter or is discolored.
6. Using a new, sterile alcohol prep pad, cleanse the stopper of the multidose vaccine vial.
7. Choose the correct equipment, including the correct needle size. Use a new, sterile needle and syringe for each injection.

*Gloves are not required unless the person administering the vaccine is likely to come in contact with potentially infectious body fluids or has open lesions on the hands. If worn, perform hand hygiene and change gloves between patients.

How to administer the vaccine

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1. Withdraw 0.5 mL of vaccine into the syringe.* Ensure the prepared syringe is not cold to the touch.
2. Note the date and time the vial was first punctured. Keep the vaccine between 2°C and 25°C (36°F and 77°F) for up to 6 hours. Discard any unused vaccine after 6 hours.
3. Bring the dose of vaccine from the designated preparation area immediately to the patient treatment area for administration.
4. Ensure staff has the correct PPE before administering vaccines and implement policies for the use of face coverings for vaccine recipients older than 2 years of age (if tolerated).
5. Administer the vaccine immediately by intramuscular (IM) injection in the deltoid muscle.
6. Observe recipients after vaccination for an immediate adverse reaction:
 - Persons with a history of anaphylaxis (due to any cause): 30 minutes
 - All other persons: 15 minutes

*Changing needles between drawing vaccine from a vial and injecting it into a recipient is not necessary unless the needle has been damaged or contaminated.

COVID-19 Vaccine (Moderna) Administration Resources

[Moderna Covid-19 Vaccine Standing Orders](#) 

[Preparation and Administration Summary](#) 

[Vaccine Expiration Date Tracking Tool](#) 

[Pre-Vaccination Screening Form](#) 



Document the Vaccination

COVID-19 vaccination providers must document vaccine administration in their medical record systems within 24 hours of administration and use their best efforts to report administration data to the relevant system for the jurisdiction (i.e., immunization information system) as soon as practicable and no later than 72 hours after administration.

Storage and Handling Overview



Store vaccine in a freezer or refrigerator. See guidance below for each storage unit.

- The vaccine will arrive frozen between -25°C and -15°C (-13°F and 5°F). A signature will be required when the vaccine is delivered.
- The ancillary supply kit will arrive separately from the vaccine.
- Unpack shipment following the manufacturer's direction.

How to Store the Moderna COVID-19 Vaccine

Storing in a Freezer

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- Vaccine may be stored in a freezer between -25°C and -15°C (-13°F and 5°F).
- Note: These temperatures are within the appropriate range for routinely recommended vaccines BUT the temperature range for this vaccine is tighter.
 - If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the correct temperature range for this vaccine.
- Note: Moderna COVID-19 vaccine can be stored in the freezer between -25°C and -15°C (-13°F and 5°F). These temperatures are within the appropriate range for other vaccines stored in the freezer BUT the temperature range for this vaccine is tighter. If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the correct temperature range for this vaccine. Document storage unit temperatures using these logs.

Storing in a Refrigerator

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- Vaccine vials may be stored in the refrigerator between 2°C and 8°C (36°F and 46°F) for up to 30 days before vials are punctured. After 30 days, remove any remaining vials from the refrigerator and discard following manufacturer and jurisdiction guidance on proper disposal.
- Thawed vaccine cannot be refrozen.
- Use beyond-use date labels to track how long the vaccine has been in the refrigerator. Monitor the beyond-use date/time.
 - Remove the box from frozen storage.
 - Complete the information on the storage label and attach it to the box holding the vaccine vials.
 - Once labeled, store vaccine in the refrigerator.

Monitoring Temperature

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Storage unit temperatures must be monitored regularly and checked and recorded at the beginning of each workday to determine if any excursions have occurred since the last temperature check. For accurate temperature monitoring, use a digital data logger (DDL) with a detachable probe that best reflects vaccine temperatures (e.g., probe buffered with glycol, glass beads, sand, or Teflon®). Check and record the temperature daily using a temperature log and one of the options below:

- **Option 1: Minimum/Maximum Temperatures (preferred)** Most DDLs display minimum and maximum (min/max) temperatures. Check and record the min/max temperatures at the start of each workday.
- **Option 2: Current Temperature** If the DDL does not display min/max temperatures, check and record the current temperature at the start and end of the workday. Review the continuous DDL temperature data daily.

For CDC temperatures logs, see [Storage and Handling Resources](#) below.

COVID-19 Vaccine (Moderna Storage and Handling Resources)

[Storage and Handling Summary](#) 

[Moderna BUD Guidance and Labels](#) 

[Storage and Handling Labels](#) 

[Refrigerator Storage Logger \(Celsius\)](#) 


[Refrigerator Storage Logger \(Fahrenheit\)](#) 

[Freezer temperature log \(Celsius\)](#) 

[Freezer temperature log \(Fahrenheit\)](#) 




Report Adverse Events

Adverse events that occur in a recipient after COVID-19 vaccination are required to be reported to the Vaccine Adverse Events Reporting System (VAERS). FDA requires vaccination providers report vaccination administration errors, serious adverse events, cases of multisystem inflammatory syndrome, and cases of COVID-19 that result in hospitalization or death after administration of COVID-19 vaccine under EUA. Reporting is encouraged for other clinically significant adverse events, whether it is clear that a vaccine caused the adverse event. Complete and submit reports to [VAERS online](#) .

For further assistance with reporting to VAERS, call 1-800-822-7967.



What to Expect after a COVID-19 Vaccination

[Print out information](#)  on the common side effects, helpful tips, and when to call a doctor after a COVID-19 vaccination for your patients.

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