

# Moderna COVID-19 Vaccine

## Storage and Handling Summary



### Basics

- Store vaccine in a freezer or refrigerator. See guidance below for each storage unit.
- Each box contains 10 multidose vials.
  - Each multidose vial contains up to 15 doses.
- Each box is approximately 2 inches by 2 inches by 5.4 inches
- Use vaccine vials stored in the refrigerator before removing vials from frozen storage.
- Check and record storage unit temperature each workday. See guidance below for each type of temperature monitoring device. Save storage records for 3 years, unless your jurisdiction requires a longer time period.

### Deliveries

#### Vaccine

1. The vaccine will arrive frozen between -50°C and -15°C (-58°F and 5°F).
2. Examine the shipment for signs of damage.
3. Open the box and remove TagAlert Temperature Monitor from box (placed in the inner box next to vaccine).
4. Check the TagAlert temperature monitoring device by pressing the blue “start and stop” button.
  - Left arrow points to a **green checkmark**: The vaccine is ready to use. Store the vaccine at proper temperatures immediately.
  - Right arrow points to a **red X**: The numbers 1 and/or 2 will appear in the display. Store the vaccine at proper temperatures and label **DO NOT USE!** Call the phone number indicated in the instructions or your jurisdiction's immunization program **IMMEDIATELY!**
5. The expiration date is NOT printed on the vaccine vial or carton. To determine the expiration date:
  - Scan the QR code located on the outer carton, or
  - Go to [www.modernatx.com/covid19vaccine-eua/](http://www.modernatx.com/covid19vaccine-eua/).

#### Ancillary Supply Kit

An ancillary kit with supplies will be provided for administering the vaccine. Administration supplies include needles, syringes, sterile alcohol prep pads, vaccination record cards (shot cards), and some PPE. The kit is delivered separately from the vaccine. Unpack the kit and check for receipt of the correct administration supplies and quantities.

### Freezer

**Unpunctured vials** may be stored in the freezer between -50°C and -15°C (-58°F and 5°F).

- Store in the original carton.
- Protect from light.
- Do not store with dry ice or below -50°C (-58°F).

The graphic is a white rectangular box with a blue header containing the 'MCKESSON' logo. Below the logo is a megaphone icon and the text 'ALERT: Do not Place on Dry Ice'. Underneath is a section titled 'INSTRUCTIONS' with two numbered steps. Step 1: 'Remove TagAlert Temperature Monitor from Box (placed in inner box next to vaccine)'. Step 2: 'Follow Receiver Instructions on the card:'. Below step 2 are two bullet points: 'Press and hold the Start & Stop button until the Stop icon ● appears' and 'Read Indicator Status to determine if the appropriate temperature was maintained during transit.' At the bottom of the graphic, a blue arrow points right and another points left, with the text 'Vaccine should be placed in appropriate storage as soon as possible upon receipt.' in the center.

**MCKESSON**

**ALERT: Do not Place on Dry Ice**

**INSTRUCTIONS**

- 1 Remove TagAlert Temperature Monitor from Box (placed in inner box next to vaccine)
- 2 Follow Receiver Instructions on the card:
  - Press and hold the Start & Stop button until the Stop icon ● appears
  - Read Indicator Status to determine if the appropriate temperature was maintained during transit.

Vaccine should be placed in appropriate storage as soon as possible upon receipt.

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### Refrigerator

**Unpunctured vials** may be stored in the refrigerator between 2° to 8°C (36° to 46°F) for up to 30 days.\*

- Do NOT refreeze thawed vaccine.
- Thawed vaccine can be handled in room light.
- Monitor how long the vaccine has been in the refrigerator using CDC's beyond-use date labels.
  - Remove the box from frozen storage.
  - Complete the information on the storage label.
  - Attach it to the box holding the vaccine vials.
  - Once labeled, place vaccine in the refrigerator.

**Punctured vials** may be stored between 2°F and 25°C (36°F and 77°F) for up to 12 hours. After a vial is punctured 20 times it should be discarded even if the 12 hour time limit has not been met.

### Temperature Monitoring

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 <https://www.cdc.gov/vaccines/covid-19/info-by-product/moderna/index.html>.

### Transporting Vaccine

Moderna COVID-19 vaccine may be transported at frozen and refrigerated temperatures using a portable unit or container qualified to maintain appropriate temperatures.

Detailed guidance can be found in CDC's Storage and Handling Toolkit COVID-19 addendum and Transporting Vaccine for Vaccination Clinics Held at Satellite, Temporary, or Off-Site Locations

### Disposal

Once vaccine has reached its expiration or beyond-use date, contact the manufacturer for guidance on whether it can still be used. Vials that have been punctured 20 times should always be discarded. If instructed to dispose of vaccine, dispose of the vial (with any remaining vaccine) and packaging as medical waste according to your local and state regulations. Contact your jurisdiction's immunization program for guidance (<https://www.cdc.gov/vaccines/imz-managers/awardee-imz-websites.html>).

\*Unpunctured vials may be stored between 8° to 25°C (46° to 77°F) for a total of 24 hours.

For additional information, refer to the manufacturer's product information at <https://www.modernatx.com/covid19vaccine-eua/>.

CDC's Moderna COVID-19 materials <https://www.cdc.gov/vaccines/covid-19/info-by-product/moderna/index.html>

CDC's Vaccine Storage and Handling Toolkit <https://www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf>

CDC's Moderna Beyond-Use Date (BUD) label <https://www.cdc.gov/vaccines/covid-19/info-by-product/moderna/downloads/bud-tracking-labels.pdf>

Moderna COVID-19 Vaccine Transporting Vaccine for Vaccination Clinics Held at Satellite, Temporary, or Off-Site Locations <https://www.cdc.gov/vaccines/covid-19/info-by-product/moderna/downloads/Moderna-Vaccine-Transport.pdf>



### Moderna COVID-19 Vaccine

Store vaccine between 2°C and 8°C (36°F and 46°F) for up to 30 days.

Lot number(s): 123456A

Today's date: 4/01/2021 **USE BY\*** Date: 5/01/2021

\*After this date/time, do NOT use. Contact the manufacturer for guidance. If directed to discard the vaccine, follow the manufacturer's and your jurisdiction's guidance on proper disposal.

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Vaccine may be transported for 12 cumulative hours.

Transport date	4/5/21		
Time in transport:	2 hrs		
Time remaining:	10 hrs		

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