

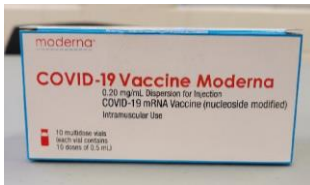
Job Aid: Moderna (Spikevax) COVID-19 Vaccine

Purpose: This job aid will provide instruction on how to store, prepare, draw and administer the Moderna (Spikevax) COVID-19 Vaccine.

For any concern about vaccine suitability or stability please contact the following for consultation and support:

- **Contact for Primary Care Clinics/Community Physicians:** pharmacists@halton.ca
- **Contact for Long-Term Care Homes/Retirement Homes:** CovidVaccine@halton.ca

Vaccine Storage Requirements



Unpunctured Vial

Maximum times

- 30 days** Refrigerator (2° to 8°C)
- 24 hours** Cool storage up to room temperature (8° to 25°C)

After first dose has been withdrawn

Maximum time

- 24 hours** Refrigerator or room temperature

Vial should be held between 2° to 25°C. Record the date and time of first use on the vial label.
Discard punctured vial after 24 hours.



- **Vaccine vials will be delivered in a thawed state.**
- Vials should be kept in the packaging in which it is received (i.e. outer carton or foam) and stored in a designated area in the vaccine fridge (i.e., shelf or tray).
- Do not refreeze thawed vials.
- When vaccine is not stored in the original outer carton (i.e. foam), the vaccine must be individually labelled to decrease the risk of vaccine administration errors, and vaccine wastage.
- Thawed vials can be handled in room light conditions, avoid direct exposure to sunlight and UV light.

Thawed Unopened Vials (pre-puncture)

- Can be stored in refrigeration (+2°C to +8°C) **for up to 30 days.**
- A cumulated exposure up to 24 hours to temperatures between +8°C to +25°C is permitted within the allowable 30-day period for thawed vials stored in refrigeration.

Labelling Note: the 'Use Date & Time' will be indicated on the vaccine vial label. **This is different from the manufacturer's expiry date. Discard any Moderna vaccine that is past the 'use by date & time'.**

Thawed Opened Vials (post-puncture)

- Must be stored between +2°C to +25°C and **used within 24 hours from the time of first puncture.**

Labelling Note: the Date and Time of 1st Puncture must be marked on the vial label. **Discard any Moderna vaccine that is not used within 24 hours.**

Sample Vaccine Vial Label:

Date & Time of 1st Puncture:
(must use within 24 hours)
June 18, 2021 @ 13:00

Moderna COVID-19 Vaccine

Use by Date & Time: July 2, 2021 @ 17:00

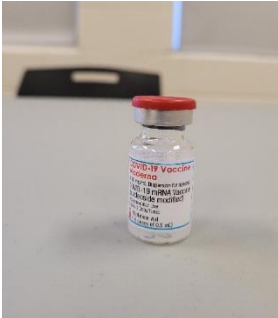
LOT #: 3002182


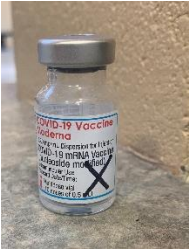
Manufacturer Expiry: 2021-10-31

Information on the **Right Side** of the label will be **completed by Halton Region Public Health.**

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Information on the **Left Side** of the label must be **completed when vial is punctured.**

<p>Vaccine Dose Recommendations</p>	<p><u>Primary Series (2-dose or 3-dose)</u></p> <ul style="list-style-type: none"> • A full dose (0.5ml) should be administered for all doses in a primary series of 2 doses or 3 doses (immunocompromised only). • Please refer to MOH COVID-19 Vaccine Third Dose Recommendations for immunocompromised individuals who are eligible for a 3-dose primary series. <p><u>Booster Doses (3rd or 4th)</u></p> <ul style="list-style-type: none"> • A full dose (0.5ml) should be administered to the following individuals: <ul style="list-style-type: none"> - All residents of long-term care homes, retirement homes, or seniors in other congregate living settings (regardless of age) - adults 70 years of age and older • A half dose (0.25ml) should be administered to all other individuals less than 70 years of age. <p>Please refer to MOH COVID-19 Vaccine Third Dose Recommendations for more details.</p>
<p>Step 1: Prepare Vaccine</p> 	<ul style="list-style-type: none"> • Only remove vials from refrigeration as they are needed. • The vial needs to sit at room temperature for 15 minutes prior to drawing up vaccine. • Note: if a punctured vial is returned to refrigeration within the allowable 24-hour period, the vial must sit at room temperature for 15 minutes each time it is removed from refrigeration prior to drawing up vaccine. • DO NOT DILUTE • Check vaccine expiry date • Inspect the liquid in the vial for foreign particulate matter and/or discoloration prior to administration. If either of these conditions exists, the vaccine should not be administered. Expect a white to off-white suspension. It may contain white or translucent product-related particulates. • Swirl the vial gently before drawing up vaccine. DO NOT SHAKE
<p>Step 2: Prepare Syringe</p>	<ul style="list-style-type: none"> • Swab the vial stopper with the alcohol wipe and let dry. • Using aseptic technique, attach a 25G 1" needle tip onto a 1mL/3mL syringe. • Document the time the vial is punctured on the vial label. Punctured vials must be used within 24 hours and can be stored between +2°C to +25°C. • Carefully draw up the appropriate dose of the vaccine into the syringe.

 <div data-bbox="126 575 699 722" style="border: 1px solid black; padding: 5px;"> <p>Date & Time of 1st Puncture: (must use within 24 hours) June 18, 2021 @ 13:00</p> <p>Moderna COVID-19 Vaccine Use by Date & Time: July 2, 2021 @ 17:00</p> <p>Doses withdrawn: </p> <p>LOT #: 3002182 Manufacturer Expiry: 2021-10-31</p> </div>	<ul style="list-style-type: none"> Once a dose is withdrawn from the vial it should be administered immediately. Pre-loading syringes is strongly discouraged. Swirl the vaccine gently between doses. Do not shake <p>Notes:</p> <ul style="list-style-type: none"> Each 5ml vial contains 10 doses of 0.5ml and 20 doses of 0.25ml Each 8ml vial contains 14 doses of 0.5ml and 28 doses of 0.25ml DO NOT puncture the vial more than 20 times. Any wasted or extra doses must be entered in COVax and documented on the <u>EOD Vaccine Inventory Report</u>. It is recommended to mark down how many full and half doses were yielded from the vial on the vaccine vial label. This will help with reconciliation. For example, mark a tick for every full dose and a dot for every half dose.
<p>Step 3: Administer Vaccine</p>	<ul style="list-style-type: none"> Use alcohol-based hand rub. Check syringe for particulates, discoloration (off-white color is expected) and correct dose; ensure that it is not cold. Prepare the skin with alcohol wipe from the center moving outwards- allow to dry. Administer the vaccine intramuscularly in the deltoid. Discard needle and syringe immediately into sharps container. Use alcohol-based hand rub. Document dose administered in COVax. <p>Notes:</p> <ul style="list-style-type: none"> When entering the 'Dosage Administered' into COVax, the correct dose must be selected (e.g. 0.5ml or 0.25ml). The number of full and half doses administered must be documented on the <u>EOD Vaccine Inventory Report</u>.
<p>Secure Disposal of Vaccine Vials and Packaging</p> 	<ul style="list-style-type: none"> Empty vials should be stored securely and properly disposed of per regulation and guidelines by the Ministry of the Environment and Climate Change. Before disposing of empty vials, the labels must be destroyed by removing the label, tearing the label, or marking the label with an 'X' using a black permanent marker. All packaging associated with the vaccine must be discarded.

Additional Resources:

[Product Monograph – COVID-19 Vaccine Moderna](#)

[Registration Guidance Manual for Generators of Liquid Industrial and Hazardous Waste](#)

[COVID-19 Vaccine Administration](#), Ministry of Health

[COVID-19: Vaccine Storage and Handling Guidance](#), Ministry of Health

[COVID-19 Vaccine Third Dose Recommendations](#), Ministry of Health