

## COVID-19 Vaccines

Manufacturer	<b>Pfizer – BioNTech</b>	<b>Moderna</b>	<b>Janssen – Johnson and Johnson</b>
Age Indication	12 years of age and older	18 years of age and older	18 years of age and older
Product Available	Multi-dose: 6 doses per vial 195 vials per carton/tray	Multi-dose: 10 doses per vial or 14 doses per vial <sup>1</sup> 10 vials per box	Multi-dose: 5 doses per vial 10 vials per box
Type of Vaccine	mRNA vaccine	mRNA vaccine	Viral vector vaccine
Reconstitution Requirement	Must be reconstituted with 1.8 mL of 0.9% NaCl prior to use	Does not require reconstitution – swirl vial gently prior to withdrawing each dose	Does not require reconstitution – swirl vial gently in an upright position for 10 seconds prior to withdrawing each dose
Freezer Requirements	Stored between -60°C and -80°C for up to 6 months or -15°C to -25°C for up to 2 weeks (Frozen vials may be transferred to ULT <sup>2</sup> one time)	Stored between -50°C and -15°C until expiration date (Exp. date can be verified on Moderna website) *Never store on dry ice or below -50°C	Not stored frozen – Vaccine will arrive frozen from the manufacturer, but should be placed in the refrigerator to thaw upon arrival
Refrigerator Storage (2-8°C/36 - 46°F)	May be stored in refrigerator for up to 31 days prior to first use	May be stored in refrigerator for up to 30 days prior to first use	Unpunctured vials: Remains stable in the refrigerator for at least 4.5 months
Room Temperature (RT) Limitations (9-25°C)	Undiluted vials: No more than 2 hours at RT Diluted vials: Discard after 6 hours	Unpunctured vials: May be stored at RT for up to 24 hours Punctured vials: Contents must be discarded after 12 hours	Unpunctured vials: May be stored at RT for up to 12 hours Punctured vials: Contents must be discarded after 2 hours at room temperature or 6 hours between 2°C-8°C
Thawing Vaccine	To thaw in refrigerator: ➤ Entire tray - 3 hours ➤ Fewer number of vials will thaw in less time To thaw at room temperature: ➤ 30 minutes	To thaw in refrigerator: ➤ 11 dose vial - 2.5 hours ➤ 14 dose vial - 3 hours To thaw at room temperature: ➤ 11 dose vial - 1 hour ➤ 14 dose vial - 1.5 hours	To thaw at room temperature: ➤ Carton of 10 vials - 2 hours ➤ Individual vial - 1 hour  *Janssen vaccine from Erie County will already be thawed at the time of pick up
Dosing <sup>3</sup>	30 mcg (0.3 mL) administered IM 2 dose series - 2 <sup>nd</sup> dose on day 21	100 mcg (0.5 mL) administered IM 2 dose series - 2 <sup>nd</sup> dose on day 28	0.5 mL – single dose administered IM

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All listed COVID-19 vaccines:

- Discard vial when there is not enough vaccine to obtain a complete dose. Do NOT combine residual vaccine contents from multiple vials to obtain a dose.
- Vaccines do not contain preservatives. The vial stoppers are not made with natural rubber latex.
- **Thawed vaccines may NEVER be refrozen.**
- **Do NOT shake vials or agitate the vaccine.**

<sup>1</sup>Moderna comes in a multi-dose vial with either a maximum of 11 doses or a maximum of 15 doses. Vials with a maximum of 11 doses may range from 10-11 doses per vial. Vials with a maximum of 15 doses may range from 13-15 doses per vial.

<sup>2</sup>Preferred storage for the Pfizer vaccine is in ultralow temperatures (ULT) between -60°C and -80°C. Pfizer vaccine may also be stored in a conventional freezer between -15°C and -25°C for up to two weeks. Vaccines stored or transported between -15°C and -25°C may be returned to an ULT freezer one time; however, the time vaccine is stored between -15°C and -25°C may NOT exceed two weeks.

<sup>3</sup>Patients should receive the second dose of the COVID-19 vaccine as close as possible to the recommended interval; however, second doses may be given at any point after day 21 and day 28 for Pfizer and Moderna vaccine, respectively. The series does not need to be restarted.

Last Updated: 6/2021