

Quick Guide to COVID-19 Vaccines

Pfizer

1. Storage / Handling



- 195 vials per tray = 975 doses per tray (5 doses per vial after dilution).
- Frozen vials stored at -80 to -60°C (-112 to -76°F) are stable for 6 months from manufacture date, if protected from light and kept in original packaging.
- Close-lid 195 vial trays may be at room temperature (<25°C or <77°F) for up to 5 minutes for transfer between ultra-low temperature environments (3 minutes for trays <195 vials).
- Can be stored at 2 to 8°C (35 to 46°F) up to 5 days (120 hours).
- Between ultra-low cold storage transfers, returned frozen vials must remain frozen for 2 hours prior to removing again.

To maintain vaccine integrity, please DO NOT transport without consulting your Immunization Branch Field Representative or the Kentucky Department for Public Health.

2. Preparation



- Thaw vaccine: 3 hours at 2 to 8°C or 30 minutes at room temperature - DO NOT REFREEZE.
- Vials at room temp must be diluted within 2 hours. Vaccine is safe to use up to 6 hours after dilution (in temps 2 to 25°C).

You need (with vaccine): 1 vial 0.9% Sodium Chloride injection (at least 2ml), 1 diluent syringe (3ml or 5ml / 21G needle), 5 dosing syringes (1ml / IM injection needle), alcohol swabs, gloves, PPE.

3. Administration



- Before dilution invert gently 10x to mix - DO NOT SHAKE.
- Vials MUST be at room temp before dilution - up to 25°C / 77°F for 30 min.
- The diluted vaccine will be an off-white suspension. Confirm no particulates or discoloration.
- The final dose volume should be 0.3ml.
- Administer intramuscularly in the deltoid muscle - single dose 30mcg / 0.3ml for first visit. The second 30mcg / 0.3ml dose* should be given 3 weeks after first dose.

*Second dose will be provided separately. DO NOT save vaccine for second dose.

Moderna

1. Storage / Handling



- 10 vial cartons (100 doses).
- Multi-dose vial = 10 preservative free 0.5ml doses per vial.
- Freezer: -25 to -15°C / -13 to 5°F for 6 months.
- Refrigerator: 2° to 8°C (36° to 46°F) for 30 days - DO NOT REFREEZE.
- Room temperature: up to 12 hours.
- Discard any punctured vial after 6 hours.

To maintain vaccine integrity, please DO NOT transport without consulting your Immunization Branch Field Representative or the Kentucky Department for Public Health.

2. Preparation



- No dilution required.
- Standard needle and syringes.

3. Administration



- Draw 0.5ml and inject intramuscularly.
- The second dose* should be given 28 days after the first dose.

*Second dose will be provided separately. DO NOT save vaccine for second dose. Amount of second dose TBD.

Tips and Resources

Minimize chances for COVID-19 exposures, including:

- Screen for symptoms of COVID-19 and contact with persons with possible COVID-19 prior to and upon arrival at the facility and isolate symptomatic patients as soon as possible.
- Limit and monitor points of entry to the facility and install barriers, such as clear plastic sneeze guards, to limit physical contact with patients at triage.
- Implement policies for the use of a cloth face covering in persons over the age of 2 years (if tolerated). Inform patients they still need to wear a face covering in public after being vaccinated. The vaccine takes time to take effect, and it does not have 100% efficacy, so safety measures should still be practiced.
- Wear a face mask at all times.
- Gloves should be changed between patients in addition to performing hand hygiene.
- Continue to ensure adherence to respiratory hygiene, cough etiquette, and hand hygiene.

Interim Guidance for Immunization Services during the COVID-19 Pandemic: <https://www.cdc.gov/vaccines/pandemic-guidance/index.html>.
Please remember to report any adverse events to Vaccine Adverse Event Reporting System (VAERS). Subject line "Pfizer-BioNTech COVID-19 Vaccine EUA": <https://vaers.hhs.gov/esub/index.jsp>.
For more information on VAERS: <https://www.cdc.gov/vaccinesafety/ensuringsafety/monitoring/vaers/index.html>.