





COVID-19 Vaccine Primary Series

For Those 12 Years of Age and Older



For care areas that administer to both adult and pediatric populations:

- ✓ **DOUBLE CHECK** – Always have two clinical colleagues **verify the correct vial was selected**
- ✓ **DOUBLE CHECK** – Always have two clinical colleagues **verify the dilution of a vial** (For Pfizer-BioNTech)
- ✓ **DOUBLE CHECK** – Always have two clinical colleagues **verify the dose volume (draw) volume**
 - To avoid confusion, store the pediatric and adult/adolescent vaccines in separate areas in the refrigerator and draw areas

Manufacturer	Pfizer-BioNTech (For 12 years and older)	Pfizer-BioNTech (For 12 years and older)	Moderna (18 years and Older)	J&J-Janssen (18 years and Older)
Vial Appearance	<p>GRAY CAP and GRAY LABEL</p>  <p>✓ Gray plastic cap and label with gray border</p>	<p>PURPLE CAP and PURPLE LABEL</p>  <p>✓ Purple plastic cap and purple label border</p>	<p>RED CAP and LABEL WITH LIGHT BLUE BORDER</p>  <p>Important: The Moderna COVID-19 vaccine vial with a dark blue cap and label with a purple border can be used only for a booster dose, not primary series doses.</p>	
Dilute Before Use	NO	YES	NO	NO
Vial Reconstitution Volume*	N/A	1.8 mL*	N/A	N/A
Dose Volume	0.3 mL	0.3 mL (after Reconstitution)	0.5 mL	0.5 mL
Time to Discard after Dilution	N/A	Use within 6 hours Store at room temperature (35°F to 77°F)	N/A	N/A
Time to Discard after First Puncture	Use within 12 hours Store at room temperature (35°F to 77°F)	N/A	Use within 12 hours Store at room temperature (35°F to 77°F)	Store at room temperature (35°F to 77°F) and use within 2 hours

*See full reconstitution instructions on reverse

*Pfizer-BioNTech (For 12 years and older) PURPLE CAP – Preparation Instructions



Instructions:

Mixing Vaccine

Do



Use the needles and syringes labeled for mixing vaccine and diluent in the ancillary supply kit.



Use 0.9% sodium chloride (normal saline, preservative-free) **ONLY**.



Slowly inject the proper volume of diluent into the vial of thawed vaccine*:
• 1.3 mL diluent for 5–11 formulation (orange cap)
• 1.8 mL diluent for 12+ formulation (purple cap)



Gently invert the vial 10 times before and after adding the diluent.



Discard the diluent vial after mixing the vaccine.

Don't



Do **NOT** use needles and syringes designated for administration to mix vaccine and diluent.



Do **NOT** use bacteriostatic normal saline or other diluents.



Do **NOT** use all the diluent in the vial.



Do **NOT** shake the vial.



Do **NOT** use or save any remaining diluent to mix with additional vials of vaccine or for other uses.

*Using a 21-gauge or narrower needle

Withdrawing doses of vaccine from the vial

After mixing, use low dead-volume syringes and/or needles to withdraw doses of vaccine. If sufficient quantities of low-dead volume syringes are not available to withdraw all doses, use a combination of low dead-volume syringes and non low-dead volume syringes.

Do



When mixing and withdrawing vaccine, insert the needle into different places on the vial septum.



Leave needle in vial to remove air bubbles, when applicable.



If the amount of vaccine left in the vial is not a full dose, discard the vial and remaining vaccine.

Don't



Do **NOT** use the same insertion point every time. This may cause vaccine to leak from the vial.



Do **NOT** remove air bubbles with the needle outside of the vial as vaccine can be easily lost in the process.



Do **NOT** combine remaining vaccine from multiple vials to obtain a full dose.

Sources:

Pfizer-BioNTech COVID-19 Vaccine: Adult Preparation and Administration Summary (cdc.gov)
<https://www.cdc.gov/vaccines/covid-19/downloads/covid19-vaccine-quick-reference-guide-2pages.pdf>