

# COVID-19 Vaccine: Preparation, withdrawal and storage

## Prep and withdrawal

	Pfizer-BioNTech	Moderna	Johnson & Johnson/Janssen
Vaccine type:			
Preparation:	<p>For 5-11 Vaccine:</p> <ul style="list-style-type: none"> <li>Ultra-Cold Frozen vial: Thaw in refrigerator 2-8°C (36-46°F). Carton of 10 vials may take up to 4 hours to thaw, thawed vials can be stored up to 10 weeks; OR thaw at room temp for 30 mins. May be stored at room temp 8-25°C (46-77°F) for a total of 12 hours prior to dilution</li> </ul> <p>For 12+ Vaccine:</p> <ul style="list-style-type: none"> <li>Ultra-Cold or Standard Frozen vial: Thaw in refrigerator at 2-8°C (36-46°F) for up to 3 hours</li> <li>Refrigerated vials: Ensure vaccine has completely thawed; don't need to warm to room temp prior to mixing or administering</li> </ul> <p><i>In both cases, vial must be diluted within 2 hours of reaching room temp</i></p>	<ul style="list-style-type: none"> <li>Frozen vial: Thaw in refrigerator at 2-8°C (36-46°F) for 2 hours and 30 minutes, and let vial stand at room temp for 15 mins before administering</li> <li>Refrigerated vial: Thaw at room temperature at 15-25°C (59-77°F) for 1 hour</li> </ul> <p><i>Swirl vial gently after thawing and between each withdrawal, do NOT shake and do NOT dilute</i></p>	N/A
Withdrawal:	<ul style="list-style-type: none"> <li>Before dilution: Invert vial gently 10x, do NOT shake; liquid should be white to off-white suspension, do NOT use if discolored</li> </ul> <p>For 5-11 Vaccine:</p> <ul style="list-style-type: none"> <li>Dilution: Use 1.3ml sterile 0.9% Sodium Chloride Injection USP as diluent; equalize vial pressure by withdrawing 1.3ml air into empty diluent syringe; gently invert 10x</li> </ul> <p>For 12+ Vaccine:</p> <ul style="list-style-type: none"> <li>Dilution: Use 1.8ml sterile 0.9% Sodium Chloride Injection USP as diluent; equalize vial pressure by withdrawing 1.8ml air into empty diluent syringe; gently invert 10x</li> </ul>	<p>Visually inspect each dose in syringe prior to administration</p> <ul style="list-style-type: none"> <li>Vaccine will be white to off-white suspension</li> <li>May contain white or translucent product-related particulates</li> </ul> <p><i>Do NOT use if discolored or contains other particulate matter</i></p>	<ul style="list-style-type: none"> <li>Withdrawal: Mix vial contents by swirling gently in upright position for 10 secs, do NOT shake</li> <li>After withdrawal: Visually inspect each dose; vaccine is colorless to slightly yellow</li> </ul>

**Beyond use date of COVID-19 vaccines (begins from time of dilution or puncturing of vials)**

<b>Vaccine</b>	<b>Diluted or punctured</b>	<b>Drawn into syringe</b>	<b>Stored (unpunctured)</b>
<b>Pfizer-BioNTech</b> (Orange cap: For ages 5-11)	12 hours (refrigerated or room temperature)	6 hours (refrigerated or room temperature)	10 weeks (refrigerated, 2°C to 8°C)
<b>Pfizer-BioNTech</b> (Purple cap: For ages 12+)	12 hours (refrigerated or room temperature)	6 hours (refrigerated or room temperature)	31 days (refrigerated, 2°C to 8°C)
<b>Moderna</b>	12 hours (refrigerated or room temperature)	12 hours (refrigerated or room temperature)	30 days (refrigerated, 2°C to 8°C)
<b>Johnson &amp; Johnson/Janssen</b>	6 hours (refrigerated) 2 hours (room temperature)	6 hours (refrigerated) 2 hours (room temperature)	Refrigerated (2°C to 8°C) until expiration