Chapter 2: Preparation and Administration

Do not open the vial trays or remove vials until you are ready for thawing or use.

- Closed-lid vial trays containing 195 vials removed from frozen storage (< -60°C) may be at room temperature (< 25°C) for up to 5 minutes for transfer between ultra-low-temperature environments.
- When you are ready to thaw or use the vaccine:
  - Open-lid vial trays, or vial trays containing less than 195 vials removed from frozen storage (< -60°C) may be at room temperature (< 25°C) for up to 3 minutes.
  - After vial trays are returned to frozen storage following room temperature exposure, they must remain in frozen storage for at least 2 hours before they can be removed again.
- Once an individual vial is removed from a vial tray at room temperature, it should not be returned to frozen storage and should be thawed for use.

Thaw undiluted multiple dose vials in the refrigerator at 2°C to 8°C (35°F to 46°F):
- Full vial trays thaw within 3 hours.
- Individual vials will take less time to thaw.
- Undiluted vials in the refrigerator can be stored for up to 120 hours (5 days).

Vials may also be thawed for 30 minutes at room temperature (up to 25°C [77°F]).

Avoid exposure to:
- Direct sunlight
- Ultraviolet light

Invert the vial 10 times to mix.

Use 0.9% sodium chloride. Do not use bacteriostatic saline.

1.8 mL of 0.9% Sodium Chloride Injection, USP:
- One 3 mL or 5 mL syringe
- 21-gauge needle
Vaccine vials that are more than 6 hours from time of dilution and all other expired/wasted vaccine must be returned to NHIP in the provided return Ziploc bag.