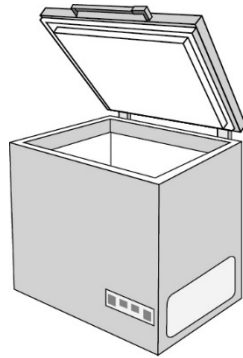


HOW TO CARE FOR YOUR VACCINE REFRIGERATOR

1. Check installation

Refrigerator is:

- Outside of direct sunlight
- In a well ventilated area
- Clear of any heat source
- On a level floor
- Has enough space for air circulation
 - More than 50 mm between the back and the wall
 - More than 100 mm from the right side of the refrigerator (grille) and the wall



More than 200 mm between vaccine refrigerators.

2. Protect the power supply

Refrigerator power supply is protected with:

- "Do Not Unplug" sign by the outlet
- Do Not Interrupt Power" warning label by the circuit breaker
- Signs including current emergency contact information and notification of emergency plan
- A voltage regulator



3. Store vaccines properly

The vaccine compartment includes:

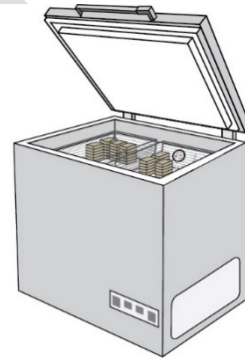
- An alcohol stem thermometer or an electronic temperature monitor and an electronic freeze indicator in the coldest area.
- No food or drink
- Vaccines with earliest expiration date are easiest to access.
- Notice of emergency plan for vaccine storage if equipment failure or power cut



4. Arrange packaged vaccines

Vaccine cartons and vials are:

- Stored in baskets or in uncovered containers with slotted sides placed inside these baskets.
- Stored with vertical space between stacks of cartons is to allow air to circulate.
- Not in contact with the walls of the refrigerator or freezer.
- Not stored directly in of fan or outlet from freezer compartment.



5. Important refrigerator care



Daily tasks:

1. Check and record temperature each morning and evening.
2. If the temperature is $>8^{\circ}\text{C}$ or $<2^{\circ}\text{C}$, take action. (See job aid *What to do when identifying a temperature excursion.*)



Weekly tasks:

1. Remove any water at the bottom of the refrigerator with a cloth or through the drainage hole.
2. Wipe of water droplets on the inside wall
3. Check if lid gasket is sealing when the lid is closed.



Monthly tasks:

1. Clean refrigerator with lukewarm water and mild detergent
2. Clean the grill on the right side of the refrigerator

6. How to defrost a vaccine refrigerator

1. Transfer vaccines to a working refrigerator or cold box with conditioned icepacks
2. Turn off the power supply to the refrigerator
3. Leave the lid or door open and wait for the ice to melt. Do not try to remove the ice with a knife or other sharp object. Doing this can permanently damage the lining. Clean and dry the inside of the appliance.
4. Turn on the power supply to the refrigerator on again

When the temperature falls to $+8^{\circ}\text{C}$ or lower (but not less than $+2^{\circ}\text{C}$), return the vaccines, diluents, and/or cool water packs or water bottles.

