Temperature Monitoring Best Practices for Refrigerated Vaccines—Celsius (°C)

1 Store vaccines at ideal temperature: 5° C

- Never freeze refrigerated vaccines!
  Exception: MMR can be stored in refrigerator or freezer

Refrigerated Vaccines

Too Cold! Take Action!
-4° C -1° C 2° C 5° C
Within Range
5° C
Too Warm! Take Action!
8° C 10° C

Report out-of-range temperatures immediately!

2 Record daily temperatures

3 steps, daily: Check and record min/max temperatures at the start of the workday.

1 Min/Max: The coldest and warmest temperatures in the refrigerator since you last reset the thermometer
   Note: If your device does not display min/max temperatures, then check and record current temperature a minimum of 2 times (at start and end of workday)

2 Reset: The button you push after you have recorded the min/max temperatures

3 Current temperature: Check current temperature each time you access vaccines in the refrigerator

3 Take action if out of range!

- Contact your state or local health department immediately. Or for private vaccines, call the manufacturer directly.
- Tell them the total amount of time the refrigerator temperature was out of range.

Best Practices

- Take your time. Check and record temperatures accurately.
- Make your mark! Initial the log when recording temperatures.
- Leave it blank. If min/max temperatures were not recorded, leave the space blank!

Visit www.cdc.gov/vaccines/SandH or contact your state health department for more information.
Test Your Knowledge

Review the temperature readings below and select the correct answer.

1. A. Current temp and min/max are within range—no action necessary
   B. Current temp is within range, min/max out of range—take action
   C. Current temp is within range, min/max out of range—no action necessary
   D. Current temp and min/max are out of range—take action

2. A. Current temp and min/max are within range—no action necessary
   B. Current temp is within range, min/max out of range—take action
   C. Current temp is within range, min/max out of range—no action necessary
   D. Current temp and min/max are out of range—take action

3. A. Current temp and min/max are within range—no action necessary
   B. Current temp is within range, min/max out of range—take action
   C. Current temp is within range, min/max out of range—no action necessary
   D. Current temp and min/max are out of range—take action

4. A. Current temp and min/max are within range—no action necessary
   B. Current temp is within range, min/max out of range—take action
   C. Current temp is within range, min/max out of range—no action necessary
   D. Current temp and min/max are out of range—take action

5. “Take action” means (circle any that apply):
   A. Remove all vaccines that are out of range and discard them.
   B. Call the state/local VFC program (or manufacturer for private vaccines) for guidance.
   C. Notify the practice’s vaccine coordinator to get the refrigerator temperature back in range.
   D. Thaw any vaccines that were frozen for 45 minutes.

Answers: 1-B, 2-A, 3-D, 4-B, 5-B and C