

## Temperature Log when Transporting Vaccine at Refrigerated Temperatures



### When transporting refrigerated vaccines, use:

- A portable refrigerator or vaccine storage container qualified to maintain temperatures between 2°C and 8°C (36°F and 46°F).
- A digital data logger (DDL) with a thermal buffer and external temperature display (preferred). Place the probe as close as possible to the vaccine.
- This temperature log to document temperatures and how long the vaccine is in the portable storage container.

### Temperature monitoring and transport time frames

- Most DDLs display minimum/maximum (min/max) temperatures.\*
- Record the time and min/max temperatures:
  - At the start of transport
  - Every time the portable storage container is opened
  - When transport is completed
- The total time for transport alone or transport plus clinic workday should be a maximum of 8 hours.‡
- Beyond-use date/time (BUD), if applicable, are included in transport time. For example, if the vaccine may be stored at refrigerated temperature for 120 hours, transport is included in this time frame.

**!** If the temperature is out of range, **TAKE ACTION!**

1. Do **NOT** discard the vaccine.
2. Label the vaccine **“Do Not Use.”**
3. Complete the Vaccine Troubleshooting Record.
4. Contact the manufacturer to determine under what conditions (refrigerated) to store the vaccine as quickly as possible.

**Today's date:** \_\_\_\_\_ **Transport start time:** \_\_\_\_\_ **Transport end time:** \_\_\_\_\_  
**Provider name:** \_\_\_\_\_ **Facility name:** \_\_\_\_\_ **PIN number:** \_\_\_\_\_  
**Temperatures measured in (circle one):**    Celsius    Fahrenheit

Time															
Staff initials															
Min/max temperatures															

**Temperatures lower than 2°C (36°F) and higher than 8°C (46°F) are out of range.‡ Complete a Vaccine Troubleshooting Record. Contact the manufacturer and your immunization program.**

- After packing the vaccine, open the portable storage container only when necessary.
- If using a company or personal vehicle, transport vaccines inside the passenger compartment (not in the trunk or bed of a truck, which may be too hot or too cold).
- Avoid leaving the portable storage container in direct sunlight or unattended.
- If needed, transport diluents with their corresponding vaccines to ensure there are equal amounts of vaccines and diluents. Follow the manufacturer's guidance for specific temperature requirements for diluents.

- Save this record for 3 years, unless your state/local jurisdiction requires a longer time period. See CDC's *Vaccine Storage and Handling Toolkit* for additional guidance.
- Refer to CDC's *Vaccine Storage and Handling Toolkit* for additional guidance when transporting vaccines.

\* If the DDL does not measure min/max temperatures, check and record temperatures hourly.  
 ‡ Follow the manufacturer's guidance if it differs from this time frame.