

Montana Immunization Program

Vaccine Storage Unit and Data Logger Requirements



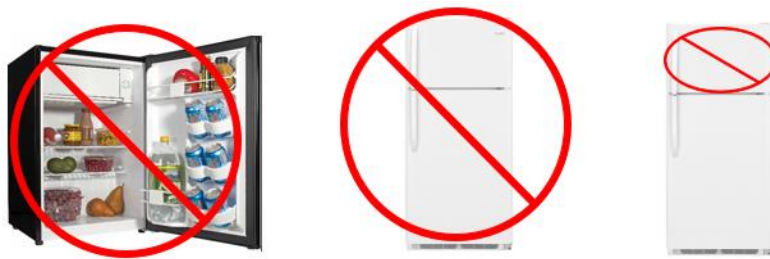
For more information, contact Lori Hutchinson at 444-0277 or lhutchinson@mt.gov.

Vaccine storage units must be refrigerators and freezers that are:

- Stable enough to maintain vaccine storage temperatures year-round
- Large enough to hold the year's largest inventory of vaccine
- Equipped with a calibrated, digital data logger¹ for recording temperatures (see requirements next page)
- A CDC-recommended appliance type. Either
 - A. Pharmaceutical-grade² stand-alone³ or combination⁴ units, or
 - B. Household-grade⁵ stand-alone units, or
 - C. Household-grade combination units using only the refrigerator section



- **Prohibited** - Dormitory-style storage units⁶, using the refrigerator and freezer of a household-grade combination unit, or using the freezer of a household-grade combination unit.



Sample Pharmaceutical-Grade Brands:

https://www.labrepc.com/store/categories/view/id/1181/title/Laboratory_Refrigerators

<http://www.americanbiotechsupply.com/>

<http://www.accucold.com/>

¹ A digital, continuous monitoring thermometer

² Designed to store pharmaceuticals in a laboratory or pharmacy setting

³ An appliance that is either a refrigerator or freezer

⁴ An appliance with both a refrigerator and freezer chamber

⁵ Appliances typically found in homes and sold at retail appliance stores

⁶ A refrigerator with a small freezer inside the refrigerator chamber and only one external door

Data Loggers

Data loggers are digital thermometers capable of continuously monitoring and recording temperatures on a predetermined schedule. VFC Providers must have a data logger in each public vaccine storage unit and transport cooler.

Data Loggers must:

- Be continuous recording devices that take readings at least every 30 minutes
- Read temperatures from a buffered probe
- Display the current, minimum, and maximum temperatures on the outside of the storage unit (exceptions for centralized monitoring systems)
- Generate data that is reviewable, archivable (3 years), and able to be sent to the Immunization Program for review
- Alarm to indicate temperatures outside proper vaccine storage temperatures
- Have a current certificate of calibration testing performed within the last two years.

Organization-wide monitoring systems (e.g., TempTrak, Aeroscout) and data loggers built-in to storage units can be used as long as they meet all the requirements listed above.



Sample Compliant Data Loggers:

[VFC Compliant Loggers - VFC Dataloggers](#)

[VFC/CDC Compliant Data Loggers with Free Cloud Storage | Onset InTemp Data Loggers \(onsetcomp.com\)](#)

[Elitech GSP-6G Digital Data Logger Thermometer | Elitechus.com – Elitech Technology, Inc.](#)

[Traceable® Thermometers for Vaccine Monitoring](#)