

MnVFC Guide Temperature Monitoring Devices

MINNESOTA VACCINES FOR CHILDREN (MNVFC) PROGRAM REQUIREMENTS

All MnVFC providers are required to use a continuous temperature monitoring device or system in storage units that hold MnVFC vaccine. Refer to the applicable MnVFC Policies and Procedures Manual found at [MnVFC Required Reports and Trainings \(www.health.state.mn.us/people/immunize/hcp/mnvfc/required.html\)](http://www.health.state.mn.us/people/immunize/hcp/mnvfc/required.html) for more information regarding certificates of calibration, backup devices, and required and recommended device features.

Temperature monitoring devices

MDH does not supply or calibrate temperature monitoring devices. It is up to each MnVFC enrolled site to determine whether the device(s) being used meet CDC/VFC requirements and how the site will meet the calibration requirements. A few are listed below to help you in your search for new products and/or calibration services.

Thermometers

Thermometers display the current temperature and may display minimum and maximum temperatures. They are not allowed for monitoring MnVFC vaccine because they do not continuously record data at preset intervals that can be reviewed and downloaded should excursions occur.

Temperature monitoring devices not recommended by CDC:

- Alcohol or mercury thermometers, even if placed in a fluid-filled, biosafe, liquid vial.
- Bimetal stem temperature monitoring devices.
- Food temperature monitoring devices.
- Chart recorders.
- Infrared temperature monitoring devices.
- Temperature monitoring devices that are not currently calibrated.

These devices can have significant limitations and cannot be used to monitor MnVFC vaccine. They can be difficult to read and only provide information on the temperatures at the precise time they are read. Some are used to monitor food. Most do not have a Certificate of Calibration.

Digital data loggers (DDLs)

A portable measurement instrument that can be programmed to record temperatures at preset intervals. They are capable of recording and storing thousands of temperature readings that can then be retrieved, viewed, and evaluated. Your durable medical supply company may have DDLs available.

DDL manufacturers and distributors

Name	Phone number	Website
Control Solutions	888-311-0636	Control Solutions Inc. (www.vfcdataloggers.com/)

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Name	Phone number	Website
Fisher Scientific	800-766-7000	Fisher Scientific (www.fishersci.com/us/en/brand/f/fisher-scientific-traceable-dataloggers-thermometers.html)
DeltaTrak, Inc.	800-962-6776	DeltaTrak (www.deltatraksales.com/vfc/vfc-program/)
InTemp by Onset	800-564-4377	Onset's HOBO and InTemp Data Loggers (www.onsetcomp.com/)

Continuous temperature monitoring systems

A system that provides information on temperatures for multiple vaccine storage units throughout a clinic or system, recorded at preset intervals. It transmits real-time data to a computer and can alert multiple people via text and/or email should a temperature excursion occur.

Continuous temperature monitoring system manufacturers and distributors:

Name	Phone number	Website
Emerson (TempTrak)	860-349-3473	Emerson (https://climate.emerson.com/en-us/products/controls-monitoring-systems/healthcare-monitoring/professional-services/temptrak-enterprise)
Isensix	866-634-2767	Isensix (https://isensix.com/)
SmartSense (by DIGI)	800-806-2653	Critical Control Point (CCP) Monitoring SmartSense by Digi (https://www.smartsense.co/)
Veracity Group (VersaTrak)	888-369-3601	Veracity Group Inc. (https://versatrak.com/)
Securitas Healthcare (formerly Stanley)	800-824-2996	Securitas Healthcare (www.securitashealthcare.com/)

Calibration

Calibration of temperature monitoring devices must be performed at a minimum of every two to three years from the last calibration testing date (date certificate issued) or more frequently if recommended by the manufacturer. Temperature monitoring devices will “drift” over time and normal use can affect their accuracy, so all devices need recalibration.

Minnesota laboratories that provide calibration services

Name	Address	Phone number	Website
NBS Calibrations	9150 Isanti St. NE Blaine, MN 55449	800-722-5398	Nothing But Solutions Calibration (www.nbscalibrations.com/temperaturecalibration/)
SiteCal, Inc.	9975 Flanders Court N Blaine, Minnesota 55449	763-213-1284	SiteCal, Inc. (https://sitecal.com/)
Palen Kimball (PK) Calibration & Validation	1717 University Avenue West St. Paul, MN 55104	651-647-4501	Palen Kimball (www.palenkimball.com/)

Bio-medical services that calibrate other equipment at your site may also be able to provide calibration services. Other local companies may be able to perform this service. They must provide you with proper documentation of the Certificate of Calibration (including model/device name or number, serial number, date of calibration [report or issue date], instrument passed testing or in tolerance) to keep with your MnVFC records.

If you are a vendor of devices and/or services related to temperature monitoring and would like to be listed in this guide, please contact us at 651-201-5522.

Disclaimer

MDH does not endorse any specific brand, product, or vendor. The terms and conditions of your purchase are between you and your vendor.

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To obtain this information in a different format, call: 651-201-5414.