

ILLINOIS VFC DATA LOGGER INFORMATION

Neither the Centers for Disease Control and Prevention (CDC) nor Illinois Department of Public Health (IDPH) Vaccines for Children (VFC) program will endorse a particular brand. This document is intended for informational purposes only.

This document provides a sample listing of a few data loggers for informational purposes (listed in NO particular order). Please contact the data logger vendors for current pricing and availability.

Data loggers are required for all VFC providers starting on 1/1/2017; each storage unit storing VFC vaccines must be monitored by a data logger; CDC-required back-up thermometers must also be data loggers. In addition:

- Some data loggers may require the purchase of extra components not listed below for proper operation. Contact the manufacturer before purchasing to ensure you purchase all required components.
- Providers are responsible for making sure thermometer purchases meet program requirements.
- Data logger probes **must** be located in the center of household and commercial grade storage units! Do **not** mount the probes to the sides or back of the storage unit.

Recommendations for Data Loggers. CDC recommends the use of a digital data logger thermometer with a **detachable probe** in a **buffered material** with continuous monitoring and recording capabilities. The temperature probe should be **easily readable from outside of the unit**. When selecting a data logger, CDC recommends the following features:

- Alarm that actively notifies the provider of out-of-range temperatures
- Current, minimum, and maximum temperatures
- Viewable low battery indicator
- Capability of $\pm 1^{\circ}\text{F}$ (0.5°C) accuracy
- Memory stores at least 4,000 readings; device will not write over old data – stops recording when memory is full; and
- Equipped with user programmable logging interval (or reading rate) of 15 minutes or less

IDPH recommends asking any potential data logger vendor to provide a sample certificate of calibration for you to review in order to determine whether it meets CDC requirements. Certificates of calibration must list these required elements:

- Model number
- Serial number
- Date of calibration (report or issue date)
- Measurement results indicate unit passed testing: This may be listed under “Pass/Fail,” “In Tolerance,” or “In Tol.”
- The documented uncertainty is listed and within suitable limits (recommended uncertainty = $\pm 1\text{F}$ or 0.5C): This may be listed under “Uncertainty,” “ $\pm\text{U}$,” or “ $\pm/-$.”
- If the calibration testing was not performed by an accredited laboratory: a statement that calibration testing conforms to ISO 17025.

The following documents contain more information about the CDC certificate of calibration requirements:

- In I-CARE (Home > “Immunization Links” Tab > “VFC Compliance Tip Sheet for Certified Calibrated Thermometers” (http://icare.dph.illinois.gov/pdf/VFC_Tip_Certified_Calibrated_Thermometers.pdf))
- On pages 31-32 of the VFC Illinois Program Manual, in I-CARE (Home > “Immunization Links” Tab > “VFC Program Manual – Illinois” (http://icare.dph.illinois.gov/pdf/VFC_Illinois_Program_Manual.pdf))
- On page 10 of the 2016 Illinois VFC Vaccine Management Plan, in I-CARE (Home > “Immunization Links” Tab > “VFC Vaccine Management Plan” (http://icare.dph.illinois.gov/pdf/VFC_Vaccine_Management_Plan_2016.pdf))

Brand	Model	Website (Prices listed are as of January 2016; subject to change) Contact the data logger vendor for current pricing and availability.
Control Solutions	VFC-150	http://www.vfcdataloggers.com/VFC150.aspx <ul style="list-style-type: none"> • Starting at approximately \$230. • 1 additional 4- or 10-foot probe available for \$30.00 or \$45.00, respectively.
Control Solutions	VFC-300 WiFi Temperature Data Logging Sensor	http://www.vfcdataloggers.com/VFC300.aspx <ul style="list-style-type: none"> • Starting at approximately \$230. • Cloud Account to receive e-mail and text alarm notifications available for \$45.
Control Solutions	VFC-350 WiFi Temperature Data Logging Sensor with 2 probe bottles***	http://www.vfcdataloggers.com/VFC350.aspx <ul style="list-style-type: none"> • Starting at \$389. • Cloud Account to receive e-mail and text alarm notifications available for \$45.
Control Solutions	VFC-7000	http://www.vfcdataloggers.com/VFC7000.aspx <ul style="list-style-type: none"> • Starting at approximately \$275.
Traceable® Products	6440 Traceable® Memory-Loc™ USB Refrigerator/ Freezer Thermometer	https://traceable.com/products/thermometers/6440.html <ul style="list-style-type: none"> • Starting at approximately \$167.27
Traceable® Products	6441 Traceable® Memory-Loc™ USB Refrigerator/ Freezer Thermometer with 2 probe bottles***	https://traceable.com/products/thermometers/6441.html <ul style="list-style-type: none"> • Starting at approximately \$178.28
Traceable® Products	6444 Traceable® Memory-Loc™ USB Refrigerator/ Freezer Thermometer	https://traceable.com/products/thermometers/6444.html <ul style="list-style-type: none"> • Starting at approximately \$178.75
Health Care Logistics	Memory-Loc™ Datalogging Thermometer w/ probe bottle (19195)	http://shop.gohcl.com/default.aspx?page=item%20detail&itemcode=19195 <ul style="list-style-type: none"> • Starting at approximately \$150.
Health Care Logistics	Excursion-Trac™ Datalogging Thermometer with probe bottle (19197)	http://shop.gohcl.com/default.aspx?page=item%20detail&itemcode=19197 <ul style="list-style-type: none"> • Starting at approximately \$130.
Health Care Logistics	Excursion-Trac™ Datalogging Thermometer with 2 probe bottles*** (19198)	http://shop.gohcl.com/default.aspx?page=item%20detail&itemcode=19198 <ul style="list-style-type: none"> • Starting at approximately \$140.
Health Care Logistics	Memory-Loc™ Datalogging Thermometer with 2 probe bottles*** (19196)	http://shop.gohcl.com/default.aspx?page=item%20detail&itemcode=19196 <ul style="list-style-type: none"> • Starting at approximately \$160.
LABRepCo	NIST Traceable® Memory-Loc™ Refrigerator/Freezer Data Logging Thermometer (LABC3-6440)	https://www.labrepco.com/store/categories/view-product/id/5826/product-title/NIST_Traceable_Memory_Loc_Refrigerator_Freezer_Data_Logging_Thermometer_for_Vaccine_Storage_1_Probe/category-id/4810/category-title/NIST_Vaccine_Storage_Data_Loggers <ul style="list-style-type: none"> • Starting at approximately \$160.85
LABRepCo	NIST Traceable® Memory-Loc™ Refrigerator/Freezer Data Logging Thermometer (LABC3-6441) with 2 probe bottles***	https://www.labrepco.com/store/categories/view-product/id/5827/product-title/NIST_Traceable_Memory_Loc_Refrigerator_Freezer_Data_Logging_Thermometer_for_Vaccine_Storage_2_probes/category-id/4810/category-title/NIST_Vaccine_Storage_Data_Loggers <ul style="list-style-type: none"> • Starting at approximately \$171.89

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Thermco	Vaccine Temperature Data Logger (ACCRT8002)	http://www.thermcoproducts.com/documents/Thermco%20TMR%20Catalog.pdf <ul style="list-style-type: none"> Prices not provided; contact manufacturer
Thermco	Fridge-Tag® 2v Vaccine Data Logger (BERFRIDGETAG2V) (REFRIGERATOR ONLY)	http://www.thermcoproducts.com/documents/Thermco%20TMR%20Catalog.pdf <ul style="list-style-type: none"> Prices not provided; contact manufacturer https://www.microdaq.com/berlinger-fridge-tag2-vaccination-system.php : \$139. http://www.tempurescientific.com/thermometer-for-vaccine-refrigerator : \$140. https://us.vwr.com/store/catalog/product.jsp?product_id=11976992 : \$168.57
Thermco	Fridge-Tag® 2v Vaccine Data Logger (BERFREEZTAG2V) (FREEZER ONLY)	http://www.thermcoproducts.com/documents/Thermco%20TMR%20Catalog.pdf <ul style="list-style-type: none"> Prices not provided; contact manufacturer https://us.vwr.com/store/catalog/product.jsp?product_id=11976992 : \$147.50
Thermco	LogTag® Temperature Data Logger with 30-Day Summary (LTTRED307F)	http://www.thermcoproducts.com/documents/Thermco%20TMR%20Catalog.pdf <ul style="list-style-type: none"> Prices not provided; contact manufacturer

*** When contemplating a single display unit with two (2) probe bottles, consider the physical distance between the refrigerator and freezer; each probe will only stretch so far from the display unit.

Note: Some data loggers may not use standard (AA, AAA, etc.) batteries; verify with the manufacturer the power requirement(s) and, if necessary, consider ordering a replacement battery when you place your order for the data logger(s).