

**Massachusetts Department of Public Health  
Immunization Division | Vaccine Program**

305 South Street, Jamaica Plain, MA 02130  
P: 617-983-6828 | Email: dph-vaccine-management@mass.gov

---

**Privately Purchased Data Logger**

Vaccine Coordinator: \_\_\_\_\_

PIN & Site Name: \_\_\_\_\_

Brand/Model #: \_\_\_\_\_

*A digital data logger must monitor each storage unit that houses state-supplied vaccine at all times. While the Vaccine Program does not recommend or endorse a specific brand or data logger device, the following manufacturers do offer products that meet the requirements below: Berlinger, Control Solutions, LogTag, PrimeX, Senso Scientific, Smart Sense, TempTrak, etc. (This is NOT a complete list).*

**Device Requirements:**

- NIST certified calibration with an associated Calibration Certificate that includes model/device number, serial number, date of calibration (report or issue date), confirmation that instrument passed testing (instrument in tolerance)
- Capacity for continuous monitoring and routine recording of data, with an accuracy of +/- 1°F (0.5°C)
  - Review the calibration certificate to determine if the device meets the standard accuracy requirements
- Active temperature display that can be easily read from outside the storage unit
- Easily identifiable alarm for out-of-range temperatures and low battery indicator
- Detachable buffered temperature probe with glycol, glass beads, sand or Teflon, that best reflects the temperature of the vaccine
- Logging interval (or reading rate) that is programmable to record temperatures at a maximum of 15-minute intervals with at least 4,000 readings storage capacity

**Vaccine Program Specific Requirements:**

- Ability to acknowledge and document electronically, within the data logger system, maximum and minimum temperatures at least twice daily
- Ability to generate a PDF output report, that clearly indicates daily maximum/minimum temperatures, alarms, and acknowledgment of twice daily temperature checks
  - The PDF output report must include either a graph or daily summary of maximum/minimum temperatures that can be easily reviewed for out-of-range temperatures
- Ability to generate an ad-hoc comprehensive temperature report that displays temperature readings at a maximum of 15-minute intervals
- In the event of a power outage, the device will continue to record temperatures that are accessible for staff review

**MIIS Form Upload:**

- I confirm that the DDL meets all the requirements listed above and a copy of this form has been uploaded to my MIIS profile for documentation under the Agreement to Comply tab.