

If your medication fridge fails at 2 a.m. Your phone rings.

A **sensor** in your refrigerator. A small **cellular unit** outside it. No WiFi, no hub, battery-backed. When a reading leaves 2–8 °C, it calls you — through **Do Not Disturb** — and keeps a record no one can edit.



What it does

Reads your fridge every 5 minutes · **Calls** your phone within 6 minutes of going out of range · **Runs** over 72 hours without power · **Keeps** every reading through a network outage · **Shows** all your fridges in one account · **Prints** a one-click audit PDF for inspections

Why we're building it

From the Ohio DOH's own records, 2024 through July 2026:

334 incidents · **\$9.6 million** destroyed · **~\$30,000** average loss, ~\$15,000 median · **19%** of 2026 losses caused by power outages — several at sites that already had WiFi loggers. Most were found by a person noticing, not by an alarm.

Public vaccine is replaced by the program. Private stock — insulin, GLP-1s, allergen extracts, biologics — has no program behind it. Coverage depends on your policy, and every claim depends on a temperature record.

This isn't a sales sheet. We're asking Ohio practitioners for advice — and for a few test sites — before we ship.

What we measured — and what we haven't

Prototype units · Carrollton, Ohio · August–September 2026

Power pulled on a cold fridge	120 hours on battery. We publish "over 72."
Signal blocked for 48 hours	576 of 576 readings kept, delivered with original timestamps
Phone on Do Not Disturb	Rang through, 5 of 5 — after saving us as an emergency-bypass contact (30 seconds, done at setup)
Probe warmed past 8 °C	Phone rang on the first out-of-range reading
Cable unplugged	Confirmed twice before calling — so restocking doesn't wake you
Our own admin key vs. the alert record	Refused. Cannot be edited or deleted by anyone

Calibration: Every unit ships with a calibration certificate for its own serial number from an ISO/IEC 17025-accredited laboratory (CTI Measurement & Testing, CNAS / ILAC-MRA). As a double check, we verify every unit at the ice point ourselves — all within 0.12 °C. Production units and their replacement probes are certified at 0, 2, 5 and 8 °C, so the **annual probe replacement by mail** keeps your certificate current — designed to meet CDC storage-and-handling guidance.

Not yet proved: no customer installations before the fall pilots · a cellular upgrade is in progress — the current SIM passed every test; the upgrade extends coverage to more extreme locations.





How we're different — and how we're not

We call; we don't email. · **Cellular and battery** — a WiFi logger stops when the WiFi or the outlet does. · **We publish our measurements and our gaps.** · **A certificate for every serial, plus our own check.** · **Our price is public.** · **One account, all your fridges, one-click audit PDF.**

We are not a replacement for your manual log and procedures. We are not the state-supplied logger — Ohio provides one for public vaccine; we're built for the private stock beside it.

Two ways to help us

1. Advice — one question. When a fridge fails at 2 a.m., who in your practice should get the call? Text or call. One line is plenty.

2. Test it with us. Host a unit for 2–3 months and give us honest, detailed feedback. In return: we replace your prototype with a production unit — upgraded, your advice built in — transfer your data securely, and the **first year is free**. From year two, the founding rate, locked for 24 months.

Founding rate through 10 Nov 2026: \$399/yr first fridge · \$349 each additional · hardware included · 24-month rate lock · \$99 refundable deposit, credited to your first invoice · not charged until it's on your fridge and working. Standard rate from 2027: \$549 / \$489.

From the founder

I'm Sean Lin, in Carrollton, Ohio. I tested this in my own refrigerator before asking anyone to trust it with theirs. Setup takes a few minutes and I'll walk you through it by phone. If a unit ever fails, we replace it. **Reach me directly: (347)798-6218 · sean@nationalcoldvault.com**

QR → Watch the 2 a.m. Test.

