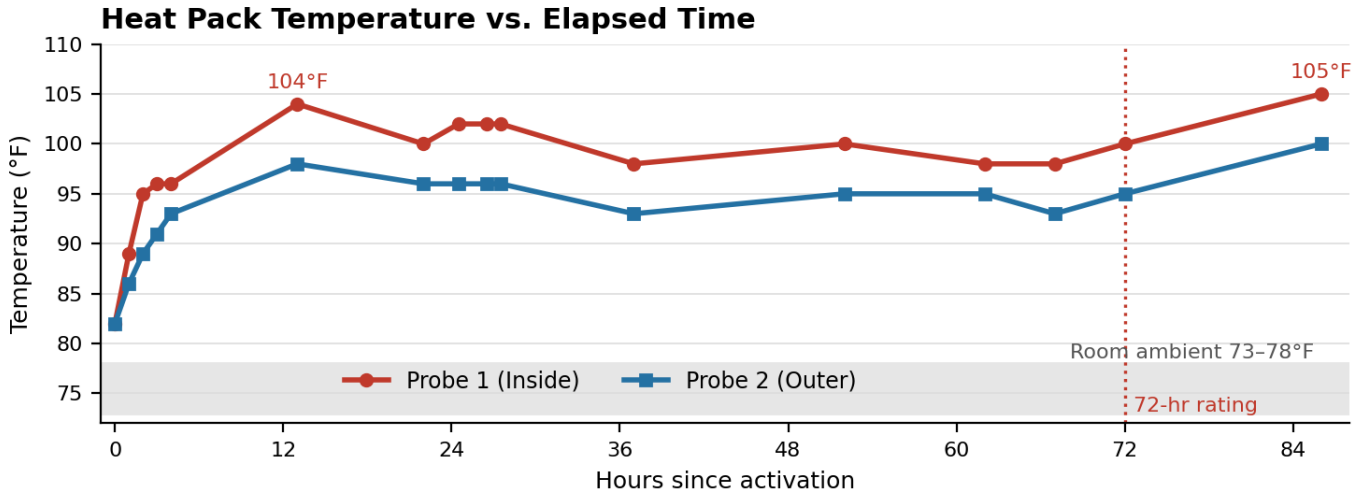
Heat Pack Performance Test — 72+ Hour Rating

Test window: 6:30 PM Day 1 through 8:30 AM Day 5 (86 hours) | Insulated shipper, indoor room ambient 73–78°F

Test Duration	Reading at 72 hrs	Peak Probe 1	Peak Probe 2	Min after Hour 4
86 hrs	**100°F / 95°F**	**105°F (hr 86)**	**100°F (hr 86)**	**98°F / 93°F**



Results

The heat pack reached working temperature within 2 hours of activation and held Probe 1 between 98°F and 105°F for the remainder of the test — 20–30°F above room ambient. At the 72-hour rating mark Probe 1 read 100°F and Probe 2 read 95°F. Readings at 86 hours (105°F / 100°F) show the pack still fully active past its rated duration. No decline toward ambient was observed after hour 2.

Temperature Log

Day	Time	Hrs	Probe 1	Probe 2	Above 78°F
1	6:30 PM	0	82°F	82°F	+4°F
1	7:30 PM	1	89°F	86°F	+11°F
1	8:30 PM	2	95°F	89°F	+17°F
1	9:30 PM	3	96°F	91°F	+18°F
1	10:30 PM	4	96°F	93°F	+18°F
2	7:30 AM	13	104°F	98°F	+26°F
2	4:30 PM	22	100°F	96°F	+22°F
2	7:00 PM	24.5	102°F	96°F	+24°F
2	9:00 PM	26.5	102°F	96°F	+24°F
2	10:00 PM	27.5	102°F	96°F	+24°F
3	7:30 AM	37	98°F	93°F	+20°F
3	10:30 PM	52	100°F	95°F	+22°F
4	8:30 AM	62	98°F	95°F	+20°F
4	1:30 PM	67	98°F	93°F	+20°F
4	**6:30 PM**	**72**	**100°F**	**95°F**	**+22°F**
5	8:30 AM	86	105°F	100°F	+27°F

Probe Placement



Probe 1 — Inside
Between heat pack layers



Probe 2 — Outer
On foil liner, exterior of pack

Highlighted row marks the 72-hour rated duration. Test conducted in a corrugated shipper with foil bubble liner. Probe 1 was placed between the heat pack layers; Probe 2 rested on the liner outside the pack. Readings taken manually; gaps reflect overnight periods. "Above 78°F" is Probe 1 relative to the upper end of room ambient.