Cool Cube'

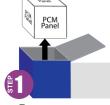
Call for (608) 526-6901



- Prep the PCM (phase change material) panels before use according to one of the described methods provided by VeriCor.
- Ensure all components are clean and free of damage.
- Lay panels flat when turning them solid (to disperse liquid throughout the panel).
- Enable ample air flow around all panel sides.
 - Use spacers (pencils) or racks. \rightarrow
- Freezing/melting times vary depending on number of panels being prepped and equipment being used.



- Using less panels does not change the holding temperature, but does decrease the hold time.
- Panels are reusable (10,000+ cycles).
 - End-of-life disposal: Panels are a plastic #2, typically recycled by businesses/communities. PCM is nontoxic and readily biodegradable.
- Use a calibrated data logger or other temperature monitoring device to observe internal temperature.
- Avoid unnecessary opening of the Cool Cube™ after loading payload. Opening of the Cool Cube™ will decrease hold time.
- An infrared temperature thermometer can assist in ensuring the panels reach a safe pack-out temperature (good for finding out the approximate temperature of each panel).
- The farther the ambient temperatures are from the melting point, the quicker PCM will change states (solidify/liquefy).

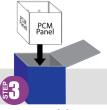


Remove PCM Panels

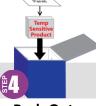


Prep **PCM** Panels

Various methods based on type of panel, equipment available & purpose.



Assemble **PCM Panels**

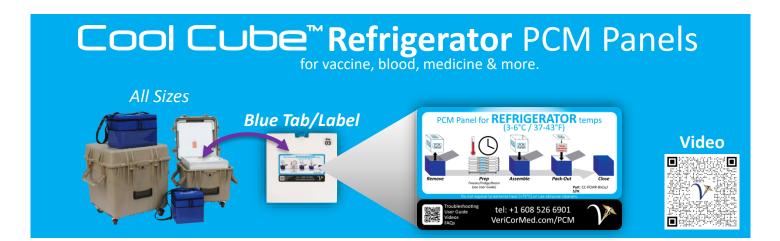


Product

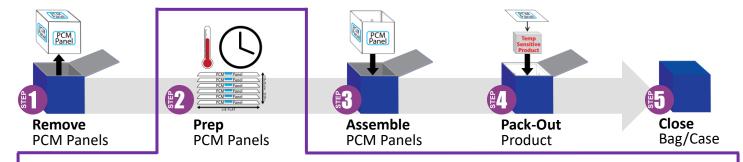


Close Bag/Case





Prep Method C: Freezer/Room Prep to keep product cold



DO NOT assemble panels directly from a freezer, as they may be initially below 0°C.

Panel Prep

- **2.1** Lay panels flat in a freezer until all the PCM (phase change material inside the panel) turns solid. At -15°C/5°F the PCM will solidify in a couple hours.
- **2.2 Transfer panels into a room temperature environment just before use** to allow the PCM inside to rise to the appropriate operating temperature. Approximate times:

"03" size = 25 minutes
"08" size = 30 minutes $22^{\circ}C/72^{\circ}F$ room.
"28" size = 35 minutes
"96" size = 40 minutes

- **2.3** Wipe off condensate. After frost turns to condensate, the panel is above 0°C.
- **2.4 Shake panels to verify the PCM is solid.** If a little liquid is heard, it is at 4.5°C. If there is a lot of liquid, restart at step 2.1 to ensure the longest hold time. Using liquid PCM or panels with a solid/liquid combination decreases the hold time.

