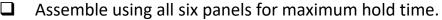
# Cool Cube'

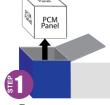
Call for (608) 526-6901



- 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).

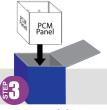


Remove PCM Panels

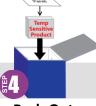


Prep **PCM** Panels

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



Assemble **PCM Panels** 



Product

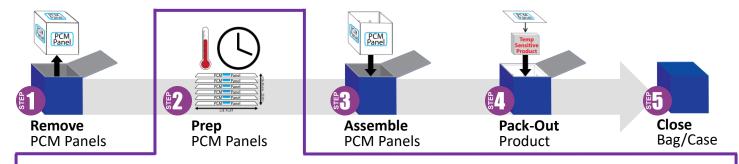


Close Bag/Case



# Cool Cube Refrigerator PCM Panels for vaccine, blood, medicine & more. All Sizes Blue Tab/Label PCM Panel for REFRIGERATOR temps (3-6\*C) 37-43\*F) France Panel for REFRIGERATOR temps (3-6\*C) 37-43\*F) Franc

# Prep Method A: Freezer/Fridge 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 fridge** at least 3 hours before use. Panels may be stored in the fridge until needed for assembly or until the PCM melts.\*
  - \* If a fridge maintains 4°C/39°F or below, the PCM within the panels will not melt (melting point is 4.5°C/40°F), which will keep the panel solid indefinitely until pack-out. If the fridge maintains 5°C/41°F or above, periodically check for melting and restart at step 2.1 to ensure optimal performance.
- **2.3 Shake panels to verify the PCM is solid.** If there is 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.

