

EMERGENCY PREPAREDNESS: Evaluation Tool for Comparing Vaccine Protection Options



Use the matrix below to compare your vaccine protection options when updating your Emergency Response Plan for storms, power outages, and other threats to your vaccine supply. You may determine that one or a combination of approaches is most appropriate for your specific location and circumstances.*

	IN-PLACE OPTIONS				OPTIONS TO MOVE VACCINES			
	TempArmour® PCM Vaccine Refrigerator	Battery Backup Power	Automatic Generator	Standard Generator	Pre-qualified Container & Packout	Standard Cooler & Ice Packs	Portable Fridge/ Freezer	
Typical Cost (USD)	No backup power required; Lowest Cost	\$1600 – \$5000+	\$10,000+	\$500 – \$3,000+	\$750+ PCM Vaccine Carrier	Up to \$200 Lowest Transport Cost	\$750+	
POTENTIAL THREATS TO VACCINE STORAGE	Threat with advance warning (e.g., hurricane / slow-moving storm)	✓	▲	✓	▲	✓	✓	✓
	No advance warning (e.g., thunderstorm, tornado, earthquake)	✓	▲	✓	▲	▲	▲	▲
	Brownouts	✓	✓	✓	✗	✗	✗	✗
	Planned power outages	✓	▲	✓	✓	✓	✓	✓
	Unexpected routine power outage	✓	▲	✓	▲	▲	▲	▲
	Post-storm (e.g., extended power outage potential / <u>no access</u>)	✓ Option: Add battery backup for longer protection	▲	✓	✗	✓	✓	✓
	High risk of physical damage to location (e.g., wildfire, flood)	✗ MOVE VACCINES				✓	✓	✓

✓ Best Solution
 ✓ Viable Solution
 ▲ Limited option
 ✗ Least effective

Considerations:

The TempArmour® Vaccine Refrigerator typically maintains its temperature in range for 6 days during a power outage or when its operation has been disrupted. However, many factors can affect temperature holdover time and the number of days maintained in temperature range.

Battery backup power and generators can malfunction and stop working during a power outage. This is not the case for the TempArmour® Refrigerator that maintains its temperature for typically 6 days without actually having to operate.

Vaccine Transport: Our choice for best transport solutions is a PCM Vaccine carrier due to its ease of use and multiple days of vaccine protection without power. Consider weight and manageability of transport options. Multiple smaller carriers that can be easily moved by one person may be preferable.

* TempArmour® Refrigeration does not warrant that this tool includes an exhaustive list of potential threats to vaccines in storage and/or emergency preparedness options. The user of this tool agrees that TempArmour® is not responsible for any emergency preparedness choices or path ultimately pursued by the user. With the exception of products sold by TempArmour® Refrigeration, costs provided are estimates, and reader is responsible for undertaking their own price comparisons/research.