

-67° PACKAGING

SmartCube - A Reusable, Sustainable Alternative to Dry Ice Shipping

Smartways Smartcube -67:

A Game changer for surgery biologics

- Smartways can now offer a single solution for "on-loan" biologics
- Eliminates multi-function logistics
- Streamlines processes
- Cost effective
- Sustainable

Key issues identified:

- Environmental issues: Dry ice and polystyrene are single use and environmentally detrimental
- Dry ice usage: If Dry Ice is used in packaging it assigns the entire shipment as a Miscellaneous Dangerous Good. This can attract additional costs and possible shipment delays.
- Bespoke Logistics headaches: Biologics on loan to hospitals are shipped with only transport in mind, meaning the end user must store the products while not always equipped to do so. Post surgery logistics can be difficult with re-packs in correct temperature and booking of return movement
- No end-to-end solution. One shipment often broken down into 3 or 4 components meaning, handling can be compromised

The Process:

1. Customer contacts Smartways with surgery details and time frames
2. Smartways collect products in pre-conditioned -67 Smartcube
 - If it is an AM surgery, we deliver the night prior
 - If it is a PM surgery we will deliver the morning of
3. Upon delivery to the hospital, no transfer to temp controlled storage is required as the Smartcube will hold its temperature.
4. Only products required are utilised
5. Upon surgery completion, Smartways driver performs call back service
6. All unused biologics are returned to the customer/manufacturer, in time and in gauge

The Benefits:

- A. Complete end to end logistics handled in 1 booking
- B. No need to transfer products upon delivery
 - Saves handling and avoids temperature excursions
 - Saves end user/hospital and storage requirement and possible investment in freezers
- C. Sustainability benefits
 - Re-usable packaging
 - No dry ice or polystyrene
- D. Cost effectiveness, which can be up to 40% reduction in end-to-end logistics costs

Packaging Information:

Our innovative, reusable thermal packaging offers precise temperature control at -67 unaffected by seasons or climates. ISTA 7D qualified, ensures consistent reliability safeguarding your temperature sensitive products with "ready to load and go" simplicity.

Combining vacuum insulation panels (VIPs) and phase change materials (PCMs), Smartcube-67 offers a stable internal environment eliminating the risk of product degradation due to temperature fluctuations.



Technical Information:

ProofPak Variant	External Dimension (LxWxH)	Internal Space (LxWxH)	Payload	Autonomy
4 Premium	325 x 315 x 310 mm	160 x 160 x 160 mm	4 L	41 h
Download the 4L Data Sheet				
11 Premium	365 x 360 x 355 mm	200 x 200 x 200 mm	8 L	48h
Download the 11L Data Sheet				
23 Premium	470 x 455 x 355 mm	300 x 300 x 200 mm	18 L	53 h
Download the 23L Data Sheet				



Find out more about our Temperature controlled logistics program

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