Single-use Storage & Transportation Solution - Ideal for Biopharmaceutical Manufacturers

Biopharma manufacturers know that having single-use bags to contain expensive liquid contents is only half the solution. Once you have the single-use 2D bag defined, how are you going to protect, transport and store its contents safely?

Challenge

- Unmet need: the existing low cost carry trays found in catalogs/online did not meet their requirements.
- The contents in the single-use bags were mission critical; risks too high to ‘settle’ for a cheap, carry tray/tote where contents could be compromised.
- Storage was primary requirement; customer wanted the ability for the industrial freezer trays to be stackable; meeting defined storage parameters in existing manufacturing facility. The trays needed to be interlocking to prevent a tall stack from toppling.

Solution

- Stackable polyethylene (available in polypropylene) carry trays designed specifically to meet the requirements of this biopharmaceutical manufacturer’s environment.
- ‘Holes’ specifically designed (see sidebar image) to ensure best possible air flow to enable the proper uniform thawing rate of the bag’s contents.
- ‘Slot’ designed for tubing opening; this design enables single-use bags to be filled while stacked (if desired) and for the tubes to remain protected when stacked.
- Machined-in space for labeling of each carry tray’s contents to promote identification and traceability.

The Impact

- Transport business-critical contents with peace of mind that single-use bags are protected.
- Ability to store and stack single-use bags to best leverage defined space available within the manufacturing facility.
- Efficient and reliable thawing process of contents while frozen liquids remained protected in the tray.
- Proven storage and transportation of critical business assets is in place; customer can focus on core operations knowing they have a solution that completely meets their transporting and storage needs for its single-use 2D bags.
- Confidence in Terracon when additional custom carry trays are needed.

“Custom carry trays are ideal for our biopharmaceutical customers to ensure the critical assets stored in the single-use bags are protected and stored in a manner that earns the confidence of the engineers and scientists. There is too much at stake to cut costs by settling for a carry tray that puts your liquid assets at risk.”

“The carry tray depicted above is a fine example of Terracon’s approach to any fluid management solution - do it right and think through all the details. In this case, the design supported the thaw rate needs and the machined-in space for labels made people’s lives easier by being able to read and confirm the contents of each tray. No detail is too small.”

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