

Cell Therapy Vial Packaging

The Challenge

Client will be using SO₂ vials for final cell therapy doses. They need packaging for the vial that will facilitate ease of storage, protection during movement through the cold chain, incorporate a “tamper evident” seal and facilitate “brand awareness and identity.” Additional considerations included potential constraints and limited flexibility associated with cryogenic shipping and storage at the clinical site.

Our product design and engineering team met with the client on several occasions to understand needs and identify potential pain points and limitations.

The Solution

ColdStash was able to incorporate all of the client’s goals into a single package utilizing our patented cryogenic foam, used in our **CGT Stash** product line, for protection of the vial during storage, handling and transport. We designed a quarter turn lid that incorporates “tamper evident” plastic tabs for security. The aluminum cylindrical container is anodized with the client’s corporate colors and includes a silk-screened corporate logo highlighting the brand.

Sizing the package for the package to minimize cryogenic shipping expense and maximizing flexibility was accomplished by using a cylindrical design that would allow for individual and small volume shipments to be delivered in the smallest commercially available cryogenic dry shippers while allowing for consolidation into larger bulk shipments as volume and demand grows at individual clinic sites.





