

Pelican BioThermal broadens portfolio of dry ice shippers

24 March 2021 | News

New offerings meet the growing demand for products to transport temperature-sensitive cell and gene therapies



Pelican BioThermal, the global name in temperature-controlled packaging, announces expanded dry ice shipper options to support exponential growth in cell and gene therapy shipments worldwide, as well as the continued need to transport pandemic payloads. Available parcel sizes range from 1.1 liters to 179 liters and cover temperature ranges of minus 65 degrees Celsius to minus 20 degrees Celsius.

"Cell and gene therapies are highly individualized and patient-centric, which creates a drastically different supply chain than we see for mass-produced pharmaceutical products," said Greg Wheatley, Vice President of Worldwide New Product Development and Engineering at Pelican BioThermal. "This supply chain introduces individuals who are not always familiar with cold chain packaging. Our job is to make easy-to-use temperature-controlled solutions for these applications."

Pelican BioThermal's expanded range of [dry ice parcels](#) can replace liquid nitrogen systems on short journeys that include a courier. The easy-to-pack parcels are available in single-use Sherpa Systems™ and DeepFreeze™ shippers, as well as the reusable Cr?do Cube™ shippers. The Sherpa Systems shippers range in size from 5 liters to 179 liters, DeepFreeze products are available in 1.1 liters to 8-liter sizes, and Cr?do Cube shippers include 5 liter and 17-liter sizes.

Sherpa Systems use Expanded Polystyrene (EPS) insulation and are molded with density to achieve required performance standards. DeepFreeze and Cr?do Cube shippers, by contrast, feature high-performance VIP (vacuum insulated panels) that protect the payload and require less dry ice, lowering transportation costs. Dry ice products provide frozen payload protection

with durations from 96 hours to 225 hours.

All three systems are cost-effective and easy to pack-out compared to other dry ice frozen shipping products. Additionally, Pelican BioThermal shippers undergo constant stress tests in ambient temperatures of 30 degrees Celsius to ensure the payload remains within the temperature range for expected durations.