TRANSPORTING HARVESTED STEM CELLS ACCOMPANIED BY A COURIER FROM BRAZIL TO SOUTH AFRICA DURING THE COVID-19 PANDEMIC

Background:
When onboard couriers transport HSC products across the globe it’s not only an on-time delivery that matters. “On-temp” delivery is even more crucial. Maintaining the requested temperature range for the life-saving payload is essential. Without temperature control, the potency of the HSC products is diminished or depleted completely. That means patient safety is at stake. Providing the optimum packaging that protects the valuable cargo is a tremendous responsibility.

Since 2012, Ontime Onboard Courier has provided courier accompanied transportation services to the South African Bone Marrow Registry, by carrying life-saving bone marrow and stem cell products to patients in need fighting blood cancer. Following contact in 2011 with Minnesota Thermal Science, Pelican BioThermal’s predecessor, Ontime Onboard Courier’s search for a reliable transportation box system led them to use the Crédo ProMed™ Series 4 for refrigerated sample transport.

Once the current pandemic crisis struck, South Africa went into lockdown and closed its borders in the middle of 2020, resulting in the fact that courier accompanied transports could not be carried out for several months.

Required:
With the re-opening of South African borders passenger flight services slowly recovered. In October 2020 Ontime Onboard Courier was approached and asked if a life-saving HSC product could be picked up in Brazil and delivered in South Africa, while not only meeting the required transport conditions, cooled at 2-8 °C and within the required time frame, but also considering all new travel requirements issued by the Brazilian and South African Government with regards to the pandemic.

Peli BioThermal’s innovative Crédo ProMed™ is technically advanced, the result of years of testing in our laboratory by on-staff engineers specialising in new product development, design and rigorous quality testing.
Crēdo ProMed™ Series 4 8L boxes not only protect the sensitive payload from physical impacts but keep HSC products within the required temperature range at the same time during every transport around the globe. A proven track record of more than 10,000 transports show the reliability and system stability of these boxes.

The transport from Brazil to South Africa resulted in the successful transfusion of an HSC product helping to save the life of a patient in need. This was our fourth transport for the customer from South America to South Africa where the boxes facilitated a successful delivery by meeting all requirements for temperature control and duration of transportation time.

RESULT:
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