

Vulnerabilities in Modes of Transportation for Cell & Gene Therapies

Although all 5 parameters are challenged in different transportation modalities, some parameters have a greater effect on cellular viability.

TRANSPORTATION MODALITIES AND THEIR GREATEST VULNERABILITIES FOR CGT:



Ocean

(shock and vibration, temperature)



Camel

(shock, vibration, temperature)



Driving Over Mountains

(shock, vibration, temperature, pressure)



Drones

(pressure, vibration, temperature, shock)



Bumpy Roads

(shock, vibration)

CGT THERAPIES ARE SENSITIVE TO:



Temperature

(risk of thawing, improper thawing methods, multiple freeze cycles)



Vibration and Shock

(drones, motorcycles, speedboats)

*Vulnerability is dependent on type of therapy, line of cells, and transportation modality. The information here is presented as hypothetical but based on experience in transport simulations of typical CGT therapies.

About Modality Solutions

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