

# MVE Biological Solutions<sup>o</sup>

a cryoport company



**WORTHINGTON**  
INDUSTRIES

## LETTER EXPLAINING EXCEPTION

This is concerning the applicability of the USA Federal Hazardous Material Regulations to the shipment of refrigerated samples in the “Dry Shipper” container. A “Dry Shipper” package consists of an outer container that is lined with an absorbent material. The container is charged with nitrogen refrigerated liquid which is absorbed into the container lining. The charged, completed package serves as refrigerated container for the shipment of samples.

In consideration of the above, consultation with the Research and Special Programs Administration of the DOT has determined that the use of nitrogen refrigerated liquid charged “dry shipper” containers for the shipment of samples fall within the regulation exception provided in 49CFR 173.320 paragraph (a) of the section states the requirements of this subchapter do not apply to atmospheric gases and helium when used in the operation of the process system such as refrigeration system. Paragraph (c) of 173.320 pertains to air transport of same refrigeration system. For exception status of air shipments please refer to IATA-Dangerous Goods Regulations for nitrogen refrigerated liquid. This falls in the class of 2.2 nonflammable gas, packing instructions 202 with special provisions A-152. If shipping outside of the USA, please consult your applicable regulatory agencies. For answers to questions regarding shipping regulations contact a Chart, AI-Cryobiological Tech Service Representative.