

Instructions for Shipping to Shamrock

Summary: This document provides basic information on shipping to Shamrock using our preferred shipping company, FedEx. The document details information regarding domestic shipments.

Details:

FedEx

- If you do not have a FedEx account, it is suggested that you create one, as they seem to be (from our experience) the most reliable company for shipping crystals.
- Setting up shipments
 - For domestic shipments, the only necessary paperwork is the waybill
 - Shipments can be prepared online by going to www.fedex.com, where the waybill will automatically generated and printed
 - Shipments can also be prepared by filling out the waybill by hand (these can be ordered or obtained at one of their stores)
- When filling out paperwork, if shipping in a dry shipper, do not say that it contains liquid nitrogen as this makes it a hazardous class

Shipping Dewars (dry shippers)

- A dry shipper can safely transport frozen crystals at liquid nitrogen temperature, without the need for liquid to be present in the dewar.
 - Shipping with liquid inside is against DOT regulations, unless it is marked as “cryogenic”
 - Since a dewar will retain the LN2 temperature, it is unnecessary to keep LN2 inside
- Preferred dewars
 - Dewar: Taylor –Wharton CX100:
<http://www.discountcryo.com/ProductDetails.asp?ProductCode=CX100>
 - Dewar: Taylor-Wharton CXR100:
<http://www.discountcryo.com/ProductDetails.asp?ProductCode=CXR100>
 - Shipping Case for Either above Dewar:
<http://www.discountcryo.com/ProductDetails.asp?ProductCode=CX10%2D8C00>
- Preparation
 - A dry shipper must first be charged.
 - Fill it up with LN2. The material of the dewar will adsorb the LN2. Refill the dewar, and check again.
 - Repeat this until the dewar retains liquid inside
 - This should be done in advance of the scheduled shipping (overnight works well)
 - Before placing the samples in the dewar, the LN2 should be poured out.
 - For more information, consult:
<http://www.biosafety.anl.gov/biosafety%20data%20files/NitrogenDryShippersUWA.pdf>

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Sending Dewars

- Ship to:

Gina Ranieri
Shamrock Structures
1440 Davey Rd
Woodridge, IL, 60517
630.739.3215
- FedEx Pickup
 - Can be set up online either while setting up a shipment (there is an option on the first page to set up a shipment), or separately from that under the “Ship” tab at the top of the page
 - Can also be set up by phone by calling: 1.800.GO.FEDEX (1.800.463.3339) for domestic shipments
- Dewars can also be dropped off at FedEx locations
- There is no additional cost for FedEx pickups

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