SHIPPING INSTRUCTION FOR SMALL QUANTITIES OF GENETICALLY MODIFIED MICRO-ORGANISMS (NON-HAZARDOUS) WITHIN UNITED STATES (2004)

Please call EH&S, 824-6200, if you have any questions on this instruction.

DEFINITIONS

- Non-hazardous means:
  - not assignable to biological Risk Group 2, 3, or 4;
  - not known to be harmful to humans or the environment in physical state shipped.
- Small Quantity means no more than 30 mL (liquid) or 30 grams (solid).
- Samples known or reasonably suspected to contain infectious substances must be packaged and marked differently; contact EH&S at 949 824-6200 for assistance.

INSTRUCTION

1. Place Material In Watertight Primary Container
   - All primary receptacles must have positive closures (such as screw-on or push-on lids) that must be taped, wired, or other positive means.
   - Examples include plastic canisters, glass/plastic jars, glass/plastic vials.
   - Liquids must not completely fill the inner package at 55°C (131°F).
   - Plastic primary receptacles must have a wall thickness at least 0.2 mm

2. Place Primary Container In a Watertight Secondary Container
   - To prevent contact between multiple fragile primary containers, individually wrap or separate them.
   - Examples of secondary packages include plastic canisters, sealed plastic bags, sealed Styrofoam containers 1” thick minimum, screw-cap cans.
   - Secondary packaging must not react chemically with the dangerous good.

3. Place Absorbent Material Between Primary and Secondary Container
   - Make sure that multiple primary receptacles are individually wrapped to prevent contact.
   - Use enough absorbent material to absorb the entire contents of all primary containers.
   - Examples include cellulose wadding, cotton balls, super absorbent packets, paper towels.
   - Adsorbent materials must not react chemically with the dangerous good.

4. Place Secondary Container Into a Sturdy Outer Packaging
   - Sturdy outer packaging must consist of corrugated fiberboard, wood, metal or rigid plastic.
   - Generally, outer packaging must withstand dropping from 6 feet.
   - UNACCEPTABLE outer packaging includes Styrofoam boxes, plastic bags, paper envelopes, FedEx envelopes, FedEx tubes, FedEx Pak or FedEx box.
   - The minimum package size accepted by FedEx is 7” X 4” X 2”. For packages below this size, FedEx offers overwraps to bring the package up to the minimum size, as long as your package meets the four basic packaging requirements.
   - The total mass of the entire package cannot exceed 29 Kg (64 pounds).
   - Fill voids to prevent movement of secondary container.

5. Markings on Outer Package
   No Shipper's Declaration is required.
   One the same side of the outer package, write legibly the following:
   - “This package conforms to 49 CFR 173.4”
   - Addressee and Addresor

Written by UC Irvine, EH&S.
From: Your Name  
Department Name  
UC Irvine  
City, CA 92697-Your Zot Code

To: The Recipient’s Name  
Address  
City, State Zip

This package conforms to 49 CFR 173.4

This packaging is only to be used for shipments within the United States for materials and quantities allowed under the “Small Quantity Exceptions”. Reference 49 CFR 173.4.

On the air waybill in the “Nature and Quantity Goods” box enter text “HUMAN (or PRIMATE) CELLS, not known to be hazardous”. 

Written by UC Irvine, EH&S.  