### Shipping Dangerous Goods and Hazardous Materials

**What are dangerous goods?** Articles or substances which are capable of posing a significant risk to health, safety or to property when transported by air.

**What are hazardous materials?** A substance or material that has been determined by the Secretary of DOT to be capable of posing an unreasonable risk to health, safety, and property.

* Hazardous materials are organized into nine primary hazard classes, however, this study will be dealing solely with Class 6.2 (Infectious Substances.)
  + Class 6.2 includes two sub-categories: Category A are the most virulent agents and Category B are potentially pathogenic substances. Take-home kits will be shipped under a Category B classification with the label UN3373.

***There are steep penalties for non-compliance with hazardous materials regulations.***

**Packaging:**

* Triple Packaging is used in sending any biological substance. Triple packaging contains: primary receptacle leak-proof (liquids), leak-proof secondary packaging and durable outer packaging. Triple packaging must always be used whether shipping Category A, B, or Exempt substances.
* Marking and labeling for Category B biological substances requires a diamond-on-point label with UN3373 with the words “Biological substance, category B” adjacent. It must also include the name, address, and phone number of a responsible person, either on the package or the waybill.

**Category B Infectious Substances:**

* Can never be taken aboard an aircraft in carry-on or checked baggage, nor on your person.
* May be transported in your private vehicle or in any other private motor vehicle, provided they meet the appropriate packaging requirements.

**Specific Security Procedures:**

* All packages of hazardous materials intended for shipment should be kept in a secure area until collection by the shipper.
* Do not leave a package unattended in an unlocked area.
* If left in a locked area where others have access, sure they are known to you and reliable.