



## Laboratory Process

### **Overview, Regulatory Support and References:**

Laboratory work is often performed in the clinical research setting. From the beginning, the equipment provided should be appropriate for the task. The staff obtaining the specimens should be adequately trained. Specimens should be stored in a manner that maintains the integrity of the specimen until the laboratory can process it. If shipped to a remote lab, not only must the integrity of the specimen be maintained throughout the varying shipping time and handling conditions, but it must be appropriately packaged and labeled as it will be going across public highways and/or airways. All of this is necessary to protect the subject from unnecessary redraws, the data from loss of integrity, the research environment/personnel from infections and the general public from accidental exposure.

- 49CFR172.704, 173.196, 173.199
- 49CFR175.10(13) Exceptions/Carbon dioxide, solid (dry ice)
- International Air Transport Association: Packing Instructions 650
  - [http://www.iata.org/SiteCollectionDocuments/DGR51\\_PI650\\_EN.pdf](http://www.iata.org/SiteCollectionDocuments/DGR51_PI650_EN.pdf)
- 2004 Emergency Response Guidebook Guide 158  
(<http://hazmat.dot.gov/pubs/erg/g158.pdf>)