Shipping Biological Specimens
Shipping Biological Specimens

Guideline Documents

- Recommendations of the United Nations Committee on Dangerous Goods
Shipping Biological Specimens

Regulations

- **PHS:** 42 CFR Part 72.
- **DOT:** 49 CFR Part 171-178
- **USPS:** Domestic Mail Manual
- **IATA:** International Air Transport Association
- **ICAO:** International Civil Aviation Organization
**Shipping Biological Specimens**

Infectious Substance

**Definition**

- Contains or has high probability of containing an infectious material...known or reasonably believed to cause disease in humans or animals
  - *virus, prion, genetic elements*
  - *bacterium, rickettsia, parasite, fungus*
- Contains a microbial toxin known to be pathogenic
Shipping Biological Specimens

Infectious Substance

Packaging

- Primary Container
  - Positive seal

- Absorbent material
Shipping Biological Specimens

Infectious Substance

Packaging

- Secondary packaging

- Watertight/leakproof
Shipping Biological Specimens

Infectious Substance

Packaging

- Between Secondary and Outer Container
  - List of Contents
  - Shippers label
    - Name
    - Address
    - Phone number
Shipping Biological Specimens

Infectious Substance

Packaging

- Outer container
Shipping Biological Specimens

Infectious Substance

Packaging

- Performance tests
  - 49 CFR 178.609

Package shall not leak
Shipping Biological Specimens

Infectious Substance

Packaging label
Shipping Biological Specimens

Infectious Substance

Containers
Shipping Biological Specimens

Definition

Human or animal material...collected for the purpose of diagnosis or research....not known to contain viable infectious agents
Shipping Biological Specimens

Clinical Specimen

Packaging

- Primary receptacle
- Positive seal
- Biohazard label
- Absorbent material
Shipping Biological Specimens

Clinical Specimen

Packaging

- Between the secondary and outer packaging
  - List of contents
Shipping Biological Specimens

Clinical Specimen

Packaging

- Outer packaging
Package Label

Shipping Biological Specimens

Clinical Specimen

CLINICAL SPECIMENS

BIOHAZARD

Packaged in Compliance with 42 CFR Part 72

IN CASE OF DAMAGE OR LEAKAGE, NOTIFY CENTERS FOR DISEASE CONTROL
(404) 633-5313

Standard Form 420 A-1 [8-89]
Prescribed by Dept. HHS [42 CFR 72]
420-301
Shipping Biological Specimens

Clinical Specimen

Packaging

- Performance test

Package shall not leak

4'