

NCI/CCR/LP CLINICAL SERVICES
Shipping Diagnostic Specimens Training Evaluation

Name: _____ Date: _____

True or False? (Circle T or F)

1. T or F After reviewing the safety manual and passing this exam I am permitted to pack and ship all hazardous substances.
2. T or F After reviewing the safety manual and passing this exam I am permitted to pack and ship diagnostic specimens by FedEx or domestic US Postal Service according to the directions in the LP Safety Manual.
3. T or F Only employees trained by an IATA approved training program may ship hazardous substances (dry ice, liquid nitrogen, infectious material) and must complete proper documentation for such shipments to send them through the Freight Forwarding Section in Building 13.
4. T or F Non-infectious (e.g. fixed) diagnostic specimens must be packed in triple packaging.
5. T or F It is permissible to ship diagnostic specimens that are greater than 500 g (or 500 ml) by FedEx.
6. T or F It is permissible to use the US Postal Service to ship 2 non-infectious clinical specimens, with a volume of 500 ml each, in the same package to a domestic location.
7. T or F It is important to follow universal precautions procedures and general lab safety precautions when handling all specimens.
8. T or F All packages used for diagnostic specimens must be leak-proof and sift-proof.
9. T or F FedEx packaging may be used to send non-infectious diagnostic specimens to any domestic or international location, including an attorney's office.
10. T or F It is permissible to ship a diagnostic specimen by FedEx if it is infectious or suspected of containing pathogens which can be readily transmitted from one individual to another, directly or indirectly, and for which effective treatment and preventative measure are not usually available.

MULTIPLE CHOICE (Circle one correct answer for each question)

11. The following statements apply to **primary receptacles** used for FedEx packages for diagnostic specimens:
 - a. They are placed in a single secondary container
 - b. They must be individually wrapped or separated so as to prevent contact between them.
 - c. If screw caps are used these must be reinforced with adhesive tape.

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- d. If shipping lyophilized substances, the primary receptacle must be either flame-sealed glass ampoules or rubber-stoppered glass
 - e. All of the above.
12. The following statements apply to **secondary packaging** used for FedEx packages for diagnostic specimens:
- a. The secondary packaging may be a paper envelope (not leak proof).
 - b. For liquid shipments, absorbent material may be placed between the primary receptacle and secondary packaging.
 - c. The words "DIAGNOSTIC SPECIMEN" must appear on the secondary package.
 - d. After January 1, 2004, it is optional to write the words "AIR ELIGIBLE" on the secondary package.
 - e. a & c only
13. The following statements apply to **outer packaging** used for sending diagnostic specimens via FedEx:
- a. Shippers may use the FedEx Clinical Pak or the Diagnostic Specimen Pak as an outer package material.
 - b. On the bottom of the package write "DIAGNOSTIC SPECIMEN, PACKAGED IN COMPLIANCE WITH IATA PACKAGE INSERT 650".
 - c. To be in compliance the complete package must be capable of successfully passing a drop test at a drop height of 12 meters (39 feet) and the outer packaging may not exceed 6.54 kg (108.8 pounds) capacity.
 - d. For shipments by aircraft, the primary receptacle or the secondary packaging must be capable of withstanding without leakage an internal pressure producing a pressure differential of 950 kPa (9.5 bar, 140 psi).
 - e. All of the above.
14. Clinical (diagnostic) specimens mailed via U.S. Postal Service may be mailed:

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- a. To a medical or forensic laboratory for the purpose of diagnosis
 - b. For return to a law enforcement agency.
 - c. To domestic locations only when they are intended for medical use.
 - d. To an attorney.
 - e. All of the above.
 - f. a, b, and c only.
15. Specimens mailed to domestic locations via U.S. Postal Service
- a. Must be contained in packages that withstand shocks, pressure changes, and other conditions incident to ordinary handling in transit.
 - b. Must be sent as Express Mail, Priority Mail, or First-Class Mail.
 - c. Must be sent with a declaration of dangerous goods.
 - d. May be diagnostic slides made from fixed tissue
 - e. May be glass slides and/or cover slips that were in contact with infectious or potentially infectious materials.
 - f. a, b, and d only.
16. Clinical non-infectious specimens mailed via U.S. Postal Service:
- a. Must be marked on the address side as "Clinical Specimen – (specify type); e.g., "Clinical Specimen-Blood Sample," "Clinical Specimen-Tissue Block", "Clinical Specimen-Slides, etc.
 - b. Packages of non-infectious specimens do not require special markings.
 - c. The outer packaging may bear the international biohazard symbol, but this is optional.
 - d. May be shipped regular mail.
 - e. Clinical specimens exceeding 4,000 ml per mailpiece are prohibited.
 - f. a, c, and e only.

Employee must receive a passing score of 85%, or be re-evaluated.
Reviewer must document that he/she explained errors on the exam.
Score: ___ /16 = ___% by Section Safety Officer: X _____