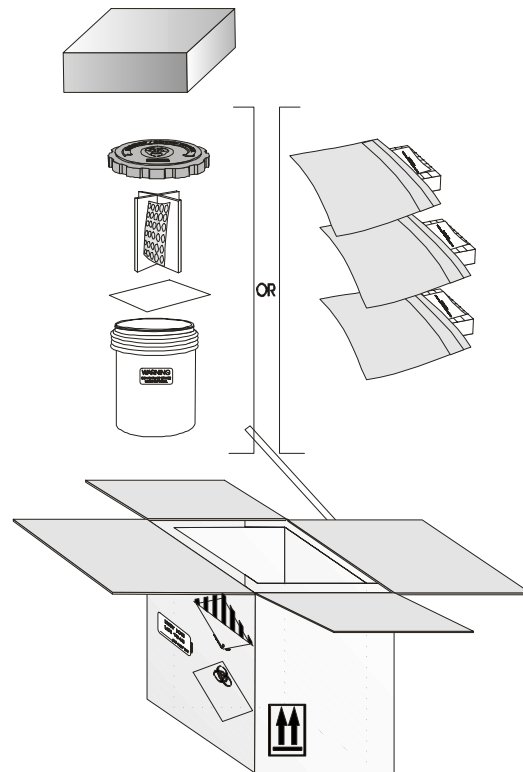


STP-370

Insulated Infectious Substance Shipper

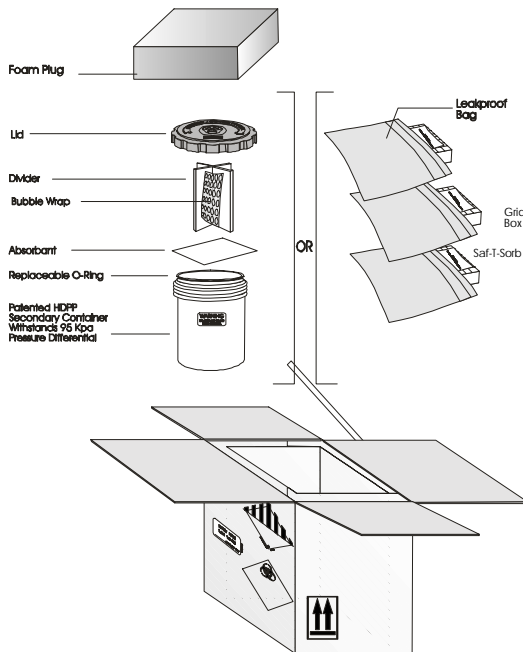
INSTRUCTIONS



SAFTPAK[®]
INC.

#101, 17872 - 106 Ave. Tel: (403) 486-0211
Edmonton Alberta 1 800 814-7484
Canada, Fax: (403) 486-0235
T5S-1V4 <http://www.saftpak.com>

General Instructions



Package Contents:

- | | |
|------------------------|-------------------------------------|
| 1 absorbent piece | 1 o-ring |
| 4 pcs. bubble wrap | 1 screw-on lid |
| 2 plastic dividers | 1 net quantity dry ice label |
| 1 class 9 Hazard label | 1 insulated outer carton |
| 1 plastic container | 1 infectious substance hazard label |

2 kg of dry ice will maintain a temperature between 0 and -44 C for 53 hours.

For all modes of usage:

1. Screw on lid.
2. Insert securely closed, packed container into corrugated matrix.
3. Place doctor's orders inside top of package.
4. Add dry ice/cool packs around secondary plastic container.
5. Close box flaps and tape securely.

NOTE: Never place dry ice inside plastic container

If the sample is reasonably suspected to be infectious to humans or animals:

On the dotted lines adjacent to the upper diamond, write clearly the applicable UN and PIN number, the Proper Shipping Name and the Suspected Organism's Name.

Apply the Infectious Substance Hazard Label provided over the upper diamond shaped outline on the box.

Apply the Class 9 hazard label over the lower diamondshaped outline on the box.

Apply the net quantity dry ice label to the outlined area adjacent to the class 9 Hazard label.

NOTE:

1. On the following table, find the type of primary that most closely resembles the one you are shipping.*

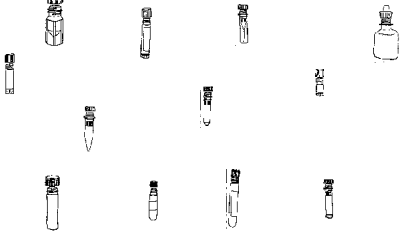


2. Compare the volume of the primary on the table, follow the table across to determine the approved packaging method.

Note, approved packaging methods have been tested for listed primaries. Use the packaging methods other than those approved for the volume of the primary renders the package non compliant with infectious substance shipping regulations.

3. Select an appropriate packaging method and follow the directions found on subsequent pages.

* If you are unsure of which packaging method to use or the primary you are using cannot be found on the table, please call 1-800-814-7484 and we will be happy to answer your questions.



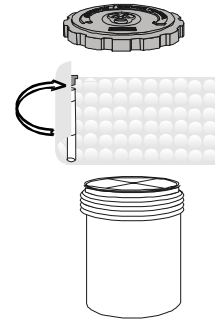
Type of Primary Container	Primary Container Capacity in mL	Maximum Number of Primary Containers	Total Shipment in mL	Packaging Method
Plastic Screw Cap 	14	5	70	A B
	7	285	175	A B C
	2	50	100	A C D E
	2	200	400*	F
	1.5	300	450*	F
	0.5	300	150	F
Friction Fit 	14	4	56	A B
	4	10	40	A B
Crimp Seal 	3.5	8	28	A

* Using Special Provision A-81, you may ship up to 500 mL of blood or blood products in a single package on a passenger aircraft.

Packing Direction A

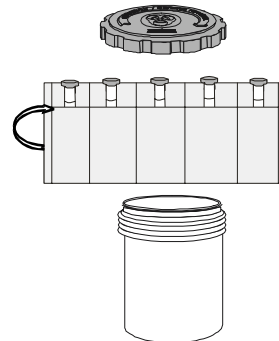
Wrap each primary container snugly in a piece of bubble wrap (provided) and secure bundle with pressure sensitive tape. Use bubble wrap to fill all voids.

NOTE: Dividers must separate glass primary containers.



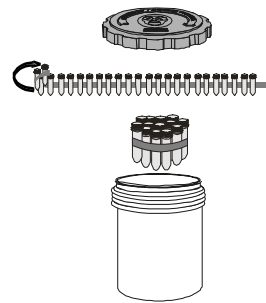
Packing Direction B

Place primary container into formed pouches. Roll up to two pouches per secondary container.



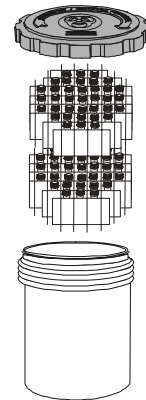
Packing Direction C

Lay out flat, enough pressure sensitive tape to accommodate primary containers. Place primary containers, leaving approximately 1/2 inch (6 mm) space between each primary container, on the tape. Fill all voids with bubble wrap.



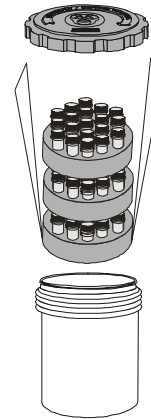
Packing Direction D

Place primary containers in appropriately sized grid dividers. Place into secondary container. Fill all voids with bubble wrap.
NOTE: It may be necessary to trim grid dividers to fit the secondary container.



Packing Direction E

Place up to 19 primary containers into the STP 106 foam holder. Place the loaded foam holder on the center of the strip of paper provided. Grasp the paper at each end with the foam holder in the center, and place into the secondary container. Absorbent must be placed below each STP 106 foam holder. The strip of paper is used for ease of removal.

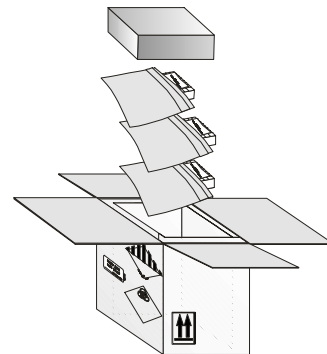


Packing Direction G

- Place individual grid boxes and a piece of absorbant into a provided bag. A maximum of three grid boxes that have the measurements of 51mm x 134mm x 134mm (2in x 5 1/4in x 5 1/4in) or two grid boxes with the measurements of 73mm x 134mm x 134mm (2 7/8in x 5 1/4in x 5 1/4in),will fit into the STP-370.
- Place grid boxes in STP-370.
- Place dry ice or gel packs around grid boxes.
- Push foam plug into STP-370 until it reaches the top of the grid boxes.

NOTE: The following are cryogenic vials which have been tested for this packaging method and are approved.

1. Nunc part #'s: 366401, 366524, 379189, 368632,377224, 366556
2. Sarstedt part #'s: 72.694, 72.730, 72.963, 72.692
3. Nalgene part #'s: 5000-0012, 5000-0020, 5000-1020, 5000-1012
4. Corning part #'s: 25703, 25704, 25723-1, 25724-2, 25725-2, 25706



NOTICE

STP-370 SAF-T-PAK Package System is certified by Transport Canada under the Transportation of Dangerous Goods Act and Regulations as safe for the transport of dangerous goods if used as directed. All national and International requirements for use by surface and air transport have been met.

To maintain certification the Shipper must use the STP-370 Package System as directed. Failure to do so may render the Shipper liable for the damage or injury resulting from the failure of the Package System.

Manufacturer/Agent/Distributor will not be liable if the STP-370 SAF-T-PAK System is altered or not used according to the instructions provided herein.

SAF-T-PAK does not supply the Primary Container.

Federal Regulations require that before shipping dangerous goods, the Shipper must be conversant and comply with applicable shipping regulations, and receive appropriate training.



STP-370

Helpful Hints Checklist for Shipping Infectious Substances

The following checklist is meant as a guide to help you prepare a package with the documentation necessary to ship Class 6.2 infectious substances by air. This checklist was prepared based on requirements of The International Air Transportation Association (IATA) Dangerous Goods Regulations (38th Edition). The items included do not contain the entire regulations and your shipment may be subject to other governmental requirements and regulations not outlined in this checklist. All national and international regulations require that the shipper **must be a trained person**. It is incumbent upon the shipper to be aware of all applicable laws, regulations and requirements.

PACKAGE PREPARATION	YES	NO	N/A		YES	NO	N/A
1. Primary receptacles are watertight and sealed. (PI 602)	-	-		Quantity and Type of Packing			
2. Multiple primaries are wrapped individually, contact between them is prevented. (PI 602)	-	-		18. Number and Type of Packages.	-	-	
3. Package is prepared according to the instructions provided by the manufacturer.	-	-		19. Quantity and unit of measure (net or gross, as applicable) per package.	-	-	-
4. Sufficient absorbent placed between primary and secondary packaging. (PI 602)	-	-		20. Package does not contain other types of dangerous goods (other than dry ice).	-	-	
5. Itemized list of contents enclosed between the secondary packaging and the outer packaging. (PI 602)	-	-		21. When infectious substances are packaged with dry ice in the same UN Specification Marked package, include the words "All packed in one (description of package type)." Use with STP 370	-	-	-
				22. Indication "Overpack used" if applicable. Use with STP 300	-	-	-
SHIPPER'S DECLARATION				Packing Instructions (8.1.6.9 step 8)			
6. Three copies in English and in the IATA format. (You keep one, two to carrier). (8.1.1.1, 8.1.2.1, 8.1.2.3)	-	-		23. Packing Instruction Number (602, 650, 904).	-	-	
7. Full name and address of Shipper. (8.1.6.1)	-	-		Authorizations (8.1.6.9 step 9)			
8. Full name and deliverable address of Consignee (no P.O. box) (8.1.6.2)	-	-		24. The Special Provision Number A81 if shipping more than 50 mL of blood or blood products.	-	-	-
9. Name and Telephone Number of a person responsible for Division 6.2 Infectious Substance shipment. (8.1.6.2)	-	-	-	25. Indication that governmental authorization is attached, including a copy in English when needed.	-	-	-
10. Enter the Air Waybill number if it is not shown. (8.1.6.3)	-			Additional Handling Information (8.1.6.10)			
11. The number of pages shown. (8.1.6.4)	-	-		26. "Prior arrangements as required by the IATA Dangerous Goods Regulations 1.3.3.1 have been made." statement is included. (PI 602)	-	-	
12. If full name of Airport or City of Departure or Destination is not shown, enter it. (8.1.6.6 and 8.1.6.7, may be amended by carrier)	-			27. Name and Title of signatory (8.1.6.14), Place and Date indicated. (8.1.6.15)	-	-	
13. The non-applicable Aircraft Type deleted and the word "Radioactive" deleted. (8.1.6.5 and 8.1.6.8)	-	-		28. Signature of Shipper. (8.1.6.16)	-	-	
Identification (8.1.6.9 step 1 through 5)				29. Any amendment or alteration signed by Shipper. (8.1.2.6)	-	-	-
14. Proper Shipping Name supplemented with the technical name in brackets. (4.1.2.4 and 8.1.3)	-	-		AIR WAYBILL (Filled in by carrier)			
15. Class or Division.	-	-		30. The Handling Information box shows: "Dangerous goods as per attached Shipper's Declaration." (8.2.2)	-	-	-
16. UN or ID Number, preceded by 'UN' prefix.	-	-		31. Cargo Aircraft Only, if applicable. (8.2.2)	-	-	-
17. If dry ice is used, Packing Group III.	-	-	-				

PACKAGE(S) AND OVERPACKS

32. All dimensions of the package meet the minimum of 4 in./100 mm (PI 602). YES NO N/A - -

Markings

- 33. Does the package have the proper UN Specification markings? (6.0.6.2)
 - UN packaging symbol (a 'U' over an 'N' in a circle). (6.0.6.2(a)) - -
 - designation code (ex 4G) for packaging mfg. after '96. (6.0.6.2(b)) - -
 - text "Class 6.2" (6.0.6.2(c)) - -
 - last two digits of the year of mfg. (6.0.6.2(d)) - -
 - State authorizing the marking (ex. CAN). (6.0.6.2(e)) - -
 - manufacturer code (ex. 8-2 SAF-T-PAK). (6.0.6.2(f)) - -
- 34. The Proper Shipping Name(s) including technical name in brackets for infectious substances, and the UN or ID Number(s). (7.1.5.1(a)) - -
- 35. The name(s) and Address(es) of Shipper and Consignee. (7.1.5.1(b)) - -
- 36. The Name and Telephone Number of a person responsible. (7.1.5.1(d)) - -
- 37. In case of Carbon Dioxide Solid (Dry Ice), the Net Weight marked on the package. (7.1.5.1(f)) - - -

Labeling

- 38. Class 6.2 Infectious Substance Label properly affixed. (100 mm sq. diamond on point.) (7.2.1 & 7.2.2.3) - -
- 39. Class 9 Misc. Dangerous Goods Label affixed for shipments with Dry Ice (100 mm sq diamond on point.) (7.2.1 & 7.2.2.3) - - -
- 40. Cargo Aircraft Only label, adjacent to the Hazard label(s), if applicable. (7.2.4.3 & 7.2.6.3) - - -

Notice

Disclaimer: The information contained in this publication is subject to constant review in the light of changing governmental requirements and regulations. No reader or user of this material should act on the information without first referring to the applicable laws and regulations. While every effort has been taken to ensure accuracy, SAF-T-PAK® INC. shall not be held responsible for loss or damage caused by errors, omissions, misprints or misinterpretation of the contents of this checklist. Further, SAF-T-PAK® INC. expressly disclaims all and any liability to any person, whether a user of the SAF-T-PAK® products or not, in respect of anything done or omitted, and the consequences of anything done or omitted, by any such person in reliance on the contents of this publication. No part of this material may be reproduced, recast, reformatted or transmitted in any form by any means, electronic or mechanical, including but not necessarily restricted to photocopying, recording or any information storage and retrieval system, without prior express written permission from:
 Director of Publications, Eric Cook
 Chief Executive Officer, Arthur G. Rutledge

YES NO N/A

41. At least two "Orientation" labels or marks (double red arrows with line underneath). (7.2.4.4) - -

42. All above labels correctly affixed (7.2.6) and all irrelevant marks and labels have been removed. (7.1.1 & 7.2.1) - - -

For Overpacks

- 43. If UN specification markings are not visible, the statement "INNER PACKAGES COMPLY WITH PRESCRIBED SPECIFICATIONS" is included on the overpack. (7.1.4.2) - - -
- 44. Markings, as required in items 34 - 37, must be clearly visible or reproduced on the outside of the overpack. (7.1.4) - - -
- 45. If more than one overpack sent in consignment, quantity in each overpack is indicated next to Proper Shipping Name. (7.1.4.3) - - -
- 46. Labels required on packages (items 38 - 42) are clearly visible or reproduced on overpack. (7.2.1) - - -

GENERAL

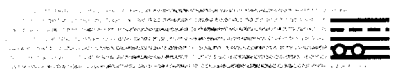
- 47. State and Operator variations complied with. (2.9) - - -
- 48. The 24 hour Emergency Response Telephone Number as required for shipments to or through the U.S. (USG-12 and 8.1.6.13) - - -
- 49. Advance arrangements made and confirmed. (9.1.2) - - -
- 50. Shipper has been trained concerning the risks involved and has a detailed understanding of the Regulations associated with the shipment of Infectious Substances. (1.5) - -



Transport Canada / Transports Canada

Surface / Surface

Dangerous Goods / Marchandises dangereuses



ASD4067-21-8-22h

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Certificate of Registration

for Infectious Substances Packaging
pursuant to Clause 10.2 of National Standard of
Canada CAN/CGSB 43.125-M90

Tested Configuration A

Primary Inner Packaging

Subject to variations permitted in Clause 8.5 of CAN/CGSB 43.125-M90, up to

- 4 blood evacuation collection tubes (glass / rubber septum plug closure 16x100mm, 13x100mm or 10.25x82mm),
- 50 Starstead # 72 Series (plastic / screw cap closure 10.8x43mm) containers,
- 25 Starstead # 60.542 (plastic / screw cap closure 16.5x57mm), 60.546 (11.5x92mm) or 60.549 (11.5x92mm) containers,
- 5 Starstead # 60.540 (plastic / screw cap closure 16.5x101mm) containers, or
- 8 Wheaton # 223715 (glass / rubber septum plug closure aluminum seal 3.5ml.) serum bottles.

per secondary inner packaging. All primary inners to be wrapped in bubble plastic sheet.

Secondary Inner Packaging

1 injection molded polypropylene wide-mouth jar with Buma-N o-ring seal and orange Screw Cap closure (Saf-T-Pak proprietary design). PP dividers for 4 cavities for primary inner packagings.

Absorbent Material

1 strip cellulose/polymer absorbent material placed on top of lower urethane foam disk in secondary inner packaging during assembly.

Outer Packaging

200 lb. single-wall C-flute corrugated fibreboard box, interior face lined with TYVEK, with 3.75mm of HCFC Urethane foam insulation sandwiched between outer package and 200 lb. C-flute corrugated fibreboard liner surrounding dry ice. Fibreboard spacer to hold secondary container centered in dry ice cavity. Box outside dimensions 294mm x 241mm x 294mm.

The Design Registration Number is valid for 3 years from 1995.01.23

Kenneth K. Kendall
Packaging Specialist



Canada



Transport Canada
Transports Canada

Surface
Surface

Dangerous Goods
Marchandises dangereuses



ASD4067-21-8-22B

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Certificate of Registration

for Infectious Substances Packaging
pursuant to Clause 10.2 of National Standard of
Canada CAN/CSB 43.125-M90

Tested Configuration B

Primary Inner Packaging

Subject to variations permitted in Clause 8.5 of CAN/CSB 43.125-M90, up to

- 100 Nunc 366401 cryogenic plastic vials,
- 100 Nunc 366524 cryogenic plastic vials,
- 100 Nunc 366656 cryogenic plastic vials,
- 100 Nunc 368632 cryogenic plastic vials,
- 100 Nunc 377224 cryogenic plastic vials,
- 100 Nunc 379189 cryogenic plastic vials,
- 100 Starstedt 72.692 cryogenic plastic vials,
- 100 Starstedt 72.694 cryogenic plastic vials,
- 100 Starstedt 72.730 cryogenic plastic vials,
- 100 Starstedt 72.963 cryogenic plastic vials,
- 100 Nalgene 5000-0012 cryogenic plastic vials,
- 100 Nalgene 5000-0020 cryogenic plastic vials,
- 100 Nalgene 5000-1012 cryogenic plastic vials,
- 100 Nalgene 5000-1020 cryogenic plastic vials,
- 100 Corning 25703 cryogenic plastic vials,
- 100 Corning 25701 cryogenic plastic vials,
- 100 Corning 25706 cryogenic plastic vials,
- 100 Corning 25723-1 cryogenic plastic vials,
- 100 Corning 25724-2 cryogenic plastic vials, or
- 100 Corning 25725-2 cryogenic plastic vials

placed in the following grid boxes

- 1 Nalgene 50274909
- 1 Starstedt 95.064.997, or
- 1 VWR Canlab 9954

with one grid box per secondary inner packaging.

Secondary Inner Packaging

Watertight plastic bag as follows

- Com-Pac International
 - Part # 4755PE, 9" x 12" zipper closure, or
 - Part #4756PE, 12" x 12" zipper closure, or
- Vouco Products
 - VonceSeal 9 x 11, 9" x 11" tape seal closure



Canada