DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A
AFJI 41-208
(FORMERLY AFR 167-9)

23 APRIL 1990

PREPARATION OF MEDICAL MATERIEL REQUIRING FREEZE OR CHILL ENVIRONMENTFOR SHIPMENT

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

THIS COVER PAGE OFFICIALLY CHANGES THE AIR FORCE PUBLICATION NUMBER FROM AFR 167-9 TO AFJI 41-208

(Affix to the front of the publication)

DEPARTMENTS OF THE ARMY, THE NAVY, THE AIR FORCE AND DLA

DEFENSE LOGISTICS AGENCY
HEADQUARTERS
CAMERON STATION
ALEXANDRIA, VIRGINIA 22304-6100

DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A
AFR 167-9

DLA-OWP

DLA REGULATION
NO. 4145.21

23 Apr 90

PREPARATION OF MEDICAL MATERIEL REQUIRING FREEZE OR CHILL ENVIRONMENT FOR SHIPMENT

(Supplementation is permitted at all levels.)

I. REFERENCES

A. DLAM 4145.3/AFR71-4/TM38-250/NAVSUP PUB 505/MCO P4030.19E, Preparing Hazardous Materials for Military Air Shipments.

B. DLAM 4155.5/TB 740-10/AFR 67-43, Quality Assurance Depot Storage Standards, appendix M.

C. MIL-STD-129, Marking for Shipment and Storage.

D. DLAR 4500.21, Transportation of Perishable Medical Items.

E. DoD 4500.32-R, Military Standard Transportation and Movement Procedures (MILSTAMP).

II. PURPOSE AND SCOPE

A. This regulation establishes the policies and procedures for the packaging, handling, labeling and shipping of medical material requiring chill or freeze environment. It provides for the labels and forms for special handling of these items.

B. This regulation is applicable to HQ DLA and DLA field activities (as applicable), other DoD agencies, and the Army, Navy and Air Force activities handling medical materiel. This regulation was developed by agreement among the Military Services and GSA.

C. The objectives of this regulation are to:

1. Protect perishable medical materiel from high temperature damage during receipt, storage, and shipment. In addition, chilled medical items have to be protected from damage by freezing.
2. Assure maximum shelf life and suitability for use by minimizing the rate of deterioration.
3. Provide instruction and technical guidance in preparing such materiel for shipment.
4. Standardize shipping containers to effect minimum weight and cube.
5. Assure maximum uniformity in packaging, marking, labeling and shipping of perishable medical supplies.

III. POLICY

A. All perishable medical materiel will be afforded the degree of protection required to prevent deterioration or other damage due to the hazards to which the items may be subjected during shipment. Methods utilized in providing protection for the materiel in shipment will conform to the requirements and instructions hereinafter indicated.

B. Proper methods of preparation for shipment prescribed herein are dependent upon alert personnel experienced in handling, shipping, and storing of the items, and upon the conditions to which the materiel will be exposed prior to delivery to the customer.

IV. DEFINITIONS

A. Chill. Temperature control between 35°-46°F (2°-8°C).

B. Chill Items. Items coded "3" and "5" in the DoD Medical Catalog and listed in DLAM 4155.5/TB 740-10, appendix M.

C. Freeze. Temperature control below 32°F, (0°C).

D. Freezer Items. Items coded "6" in the DoD Medi-cal Catalog and listed in DLAM 4155.5/TB 740-10, appendix M.

V. BACKGROUND. Medical materiel which requires freezing to prevent deterioration or other damage must stay in a frozen state until ready for use. Other medical materiel requiring constant chill in storage can in some cases be shipped unrefrigerated

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This DLAR supersedes DLAR 4145.21, TB MED 284, NAVSUPINST 4610.31, AFR 167-9, 10 Nov 70.

for varying periods without adverse effect (code "3" in appendix M). Care must be exercised in shipment preparation and planning to provide for temperature variations, multiple handling and extended periods of time in transit. Use of specification containers and proper forms reduces the risk of damage.

VI. SIGNIFICANT CHANGES. This is a major revision of the superseded document. It should be reviewed in its entirety before use.

VII. RESPONSIBILITIES

A. The Chief, Depot Operations Division, Directorate of Supply Operations, HQ DLA (DLA-OW) will provide overall policy and direction and maintain this regulation in a current status.

B. The Commanders of DLA Depots and Marine Corps Logistics Base, Albany (MCLBA) will establish internal controls to assure compliance with this regulation. Training will be provided personnel working with freeze and chill medical items to maintain familiarity with the requirement contained herein.

C. The Commander, Defense Personnel Support Center will designate items subject to requirements of this regulation and notify depots immediately when changes are made, with an information copy to DLA-OW. The item listing and subsequent changes will be reflected in DLAM 4155.5/TB 740.10, appendix M.

VIII. PROCEDURES

A. Packaging

1. Freeze Items. All freezer items must be stored and shipped in a constant frozen state. Dry ice only is used and containers are precooled. Items selected for shipment should be placed in one or more of the sizes shown in Table I, allowing sufficient space for the dry ice. Containers will conform to Type I of Federal Specification PPP-C-1266, Container, Thermal, Shipping, for Medical Material Requiring Controlled Temperature Ranges. This is an insulated, reusable container. Dry ice should conform to Federal Specification BB-C-104, and amount used under normal conditions is shown for each container size in Table I. In warm weather, or for shipments destined to hot climates, use the warm weather column for determining the number of pounds of dry ice refrigerant.

a. Pack individual unit packages into the precooled insulated shipping container snugly, taking advantage of all available space and fill void with cushioning of polyurethane foam or similar material to prevent damage. Add amount of dry ice required on top of cushioning. When re-icing is required, it will be done without handling the items.

b. An irreversible indicator will be placed inside each container as evidence that materiel has not thawed during transit. Indicators are available commercially, or they can be fabricated from a plastic tube, about 4 inches long by 3/8 inch inside diameter, containing frozen water colored with egg coloring dye. To prevent melting in handling, cotton thread or string is tied to each frozen indicator. A notice, prominently printed on a label attached to the top of an interior flap of the shipping container will indicate that melting of the colored ice in the tube, accompanied by staining of the interior of the box, is evidence that the required temperature was not maintained.

c. Diluent and component parts of freezer items are packed in separate containers ordinarily used for nonfreezer items. Set assembly markings are used in these cases.

TABLE I (DRY ICE)

CONTAINER	LBS. OF DRY ICE		HRS. MAINTAINED	
Size-Type I			Below 25°F(-4°C)	
	Normal	Warm Weather	Normal	Warm Weather
Small (1)	6	9	85	120
Medium (2)	8	12	70	120
Large (3)	12	18	85	120
X-Large (4)	22	24	96	120

NOTE: Precool containers and contents to 40°F(4°C) before icing and closing.

d. Prior to closure of container, a copy of a properly executed DPSC Form 2770, Notice for Frozen Medical Material Shipments (enclosure 1) will be placed inside (along with copies of the DD Form 1348-1, DoD Single Line Item Release/Receipt Document and DD Form 1348-1A, Issue Release/Receipt Document). One inside flap of the insulated box is to be labeled "reusable container, return empty container to (add name of depot)." Enclosure 8 is an example of a label that may be used.

Also, include a self-addressed DD Form 1387, Military Shipping Label, when shipping from the depot.

e. Closure of container shall be by ape not less than 2 inches wide conforming to Federal specification PPP-T-60 or PPP-T-76. The three strip method will be used with one strip over the length of the center seam and extending a minimum of 2 inches over the end panels. One strip will be used to seal each edge of seam, and will extend over the corner of the box, a minimum of 2 inches, onto the adjacent box panels.

2. Refrigerated Items

a. Items Requiring Constant Chill. Items which are identified in appendix M as requiring constant chill (Special Requirements Code, Column P) Code 5 will be packed in containers conforming to Type II of PPP-C-1266. Packing will be as specified in subparagraph 1a above except that water/wet ice or chemical ice will be used instead of dry ice. When chemical ice (also known as "refrigerant packs") is used, the freezing point will be 29° to 31°F (-2° to -1°C). Ice will be suitably contained to prevent leakage and be adequate to safeguard a shipment of chilled items under normal conditions (maximum temperature of 46°F (8°C). See Table II for quantity of water/wet ice required for normal and warm weather conditions and for chemical ice, see Table III. Indicators used for freeze items are not required. A DPSC Form 2770-1, Notice for Chilled Medical Material Shipments (enclosure 3), will be placed in each shipping container.

b. Items Not Requiring Constant Chill. Items which are identified in DLAM 4155.5, appendix M in Special Requirements Code, Column P, Code 3 may be shipped out of refrigeration from 4, 7, or 18 days, provided temperature range of 32° to 95°F (0° to 35°C) can be assured during shipment. A DPSC Form 2770-2, Notice for Limited Unrefrigerated Medical Material Shipments (enclosure 5), will be placed in each shipping container. Special caution should be exercised in hot weather conditions. Hot weather may require constant chill procedures to protect items in transit.

TABLE II (WATER/WET ICE)

CONTAINER	LBS. OF WATER/ WET ICE		HRS. MAINTAINED	
Size -Type II			Between 35°-55°F (2°-13°C)	
	Normal	Warm Weather	Normal	Warm Weather
Small (1)	2.5	3.5	97	111
Medium (2)	6	7.5	96	116
Large (3)	14	18	98	122
X-Large (4)	18	21	96	120

NOTE: All containers precooled to 40°F before packing.

Table III (CHEMICAL ICE)

CONTAINER	LBS. OF CHEMICAL ICE		HRS. MAINTAINED	
Size-Type III			Between 35°-55°F (2°-13°C)	
	Normal	Warm Weather	Normal	Warm Weather
Large (3)	15	18	96	120
X-Large (4)	18	21	96	120

NOTE: All containers precooled to 40°F before packing.

B. Marking

1. All unit, intermediate, and exterior shipping containers will be marked as prescribed by appendix D, MIL-STD-129, Marking for Shipment and Storage, in addition to the routine identification markings as specified in paragraph 4, general requirements. Care must be exercised that the proper perishable form is used for each shipment, as follows:

DD Form 1502, Frozen Medical Materiel Shipment. Perishable - Keep Frozen (enclosure 2).

DD Form 1502-1, Chilled Medical Materiel Shipment. Perishable - Keep Chilled (enclosure 4).

DD Form 1502-2, Limited Unrefrigerated Medical Materiel Shipment. Perishable (enclosure 6).

To assure accuracy in data, when completing the form, use Julian date and Zulu (Greenwich mean time) to compensate for shipments between time zones (e.g., a shipment prepared at Defense Depot Mechanicsburg, Pennsylvania at 0800 hours, EST, on 4 Nov 88 would be shown as 308 Julian date and 1300

hours Z). "Arrow" and "Fragile" markings will also be applied to exterior containers.

2. DD Form 1387-2, Special Handling Data/Certification. When shipment is by military air, a properly executed certification will be applied per DLAM 4145.3/AFR71-4/TM 38-250/NAVSUP PUB 505/MCO P4030.19E. Paragraph 1-2 and 11-9 will be used in preparation of packaging and 11-9 c(1) will be used as reference for dry ice, with nomenclature shown as "CARBON DIOXIDE, SOLID" or "DRY ICE." The handling instructions shall be annotated in the Key 8 (Supplemental Information) see DD Form 1502 on container. In addition, the handling instructions from paragraph 11-9a will be written in its entirety. If additional space is required, a DD Form 1387-2c, Special Handling Data/Certification (Continuation Sheet), will be used. The authority for shipments of water/wet ice is DoD 4500.32-R; this is indicated by checking Key 13 and citing paragraph 2-B-4 (leave Key 12 blank if materiel is not hazardous). The nomenclature is "WATER ICE" (Key 1). Key 8 will be annotated "See DD Form 1502-1 on Container." For limited unrefrigerated shipments, the authority is DoD 4500.32-R, and will be indicated by checking Key 13 and citing paragraph 2-B-4 (leave Key 12 blank if materiel is not hazardous). The nomenclature is "MEDICAL SUPPLIES" (Key 1) and the handling instructions (Key 8) is "See Form 1502-2 on Container." DoD 4500.32-R is the authority and will be indicated by checking Key 13 and citing paragraph 2-B-4 (leave Key 12 blank if materiel is not hazardous). Extra copies of the certification shall be attached next to the packing list.

NOTE: "Keys" referred to in above instructions on DD Form 1387-2 are in AFR 71-4, chapter 13.

C. Shipping. Policies, responsibilities and reporting procedures are as contained in DLAR 4500.21.

BY ORDER OF THE DIRECTOR

GARY C. TUCKER
Colonel, USA
Staff Director, Administration

8 Encls
1. DPSC Form 2770, Notice for Frozen Medical Material Shipments
2. DPSC Form 2770-1, Notice for Chilled Medical Material Shipments
3. DPSC Form 2770-2, Notice for Limited Unrefrigerated Medical Material Shipments
4. DD Form 1502, Frozen Medical Materiel Shipment
5. DD Form 1502-1, Chilled Medical Materiel Shipment
6. DD Form 1502-2, Limited Unrefrigerated Medical Materiel Shipment
7. National Stock Numbers for "Container, Thermal, Shipping" (fiberboard)
8. Label of Instruction Reusable Containers

DISTRIBUTION
DEFENSE LOGISTICS AGENCY: 41 less 7, 0, J
ARMY: Active Army, ARNG, USAR: To be distributed in accordance with DA Form 12-34C-R, Block 0303, Requirements for TB MED- ( )-Series: Professional Medical Materials
AIR FORCE: AFPDC, 2800 Eastern Blvd, Bengies, MD 21220; SAF/AADPRP, Bldg 5681, 3rd Floor, Bolling AFB, Washington, DC 20332; PDO 4008, BLdg 626, Bolling AFB, Washington, DC 20332; HQ AFOMS/SGSL, LTCOL R. W. Gruendell, Brooks AFB, TX 78235-5000
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COORDINATION: DLA-KS, DLA-LR, DLA-LP, DLA-OT, DLA-AT, DLA-OS, DLA-CB, DLA-P, DLA-QL, DPSC-RQ

BACKGROUND IN GREEN
LETTERING IN BLACK

Encl 1
DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A

NOTICE FOR FROZEN MEDICAL MATERIAL SHIPMENTS

SPECIAL NOTE: REMOVE FROZEN TEMPERATURE INDICATOR IMMEDIATELY TO PREVENT DISCOLORATION OF CONTAINER.

IF THIS SHIPMENT IS RECEIVED WITH NO DRY ICE IN THE CONTAINER, OR IF THE COLORED ICE IN THE PLASTIC INDICATOR TUBE HAS MELTED, TAKE THE FOLLOWING ACTIONS:

1. Place the material in freezer below 32°F.
2. Suspend the material from issue and use and report discrepancy on SF-361 (DISREP) or SF-364 (ROD), as appropriate, to:

DLA, Defense Personnel Support Center
Directorate of Medical Materiel
ATTN: DPSC-RQ-FP
2800 S. 20th Street
P. O. Box 8419
Philadelphia, PA 19101-8419

3. Include the following data in the report: (Use separate report for each item)

(a)	National Stock Number	(j)	Present storage condition
(b)	Complete Nomenclature	(k)	Temperature or adverse storage condition existing during shipment
(c)	Name of manufacturer	(l)	Nature of the complaint-Indicate if ice in indicator tube was melted and whether drug was warm to touch upon opening box.
(d)	Date of manufacture	(m)	Name of last known carrier from which material was received and final destination for shipment.
(e)	Expiration date	(n)	TCN or GBL numbers
(f)	Lot or control numbers	(o)	Date and hour material delivered by carrier.
(g)	Contract and/or requisition numbers	(p)	Date and hour material returned to freezer.
(h)	Total dollar value	(q)	Other details concerning condition of materiel. Identify origin of shipment (Depot or contractor's name), and all entries recorded on DD Form 1502.
(i)	Quantity	(r)	Name, place, telephone number of person most familiar with this situation. (Autovon and commercial with area code.)

4. DO NOT issue or destroy material until disposition instructions are received from DPSC.
5. Attach the following to the SF-361 or 364:
   a. DD Form 1502 label (remove from the package)
   b. Copy of GBL and/or copy of carrier's delivery document.
   c. Copy of the Report of Shipment (REPSHIP) if received by teletype (or information furnished in REPSHIP received by telephone).

DPSC Form 2770
Jan 86 EDITION JAN 75, OBSOLETE

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Encl 2
DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A

NOTICE FOR CHILLED MEDICAL MATERIAL SHIPMENTS

IF THIS SHIPMENT IS RECEIVED WITH THE WATER ICE THAWED TAKE THE FOLLOWING ACTIONS:

1. Place the material in chill space. (Refrigeration temperature 35° to 46°F)
2. Suspend the material from issue and use and report discrepancy on SF-361 (DISREP) or SF-364 (ROD) as appropriate, to:

DLA, Defense Personnel Support Center
Directorate of Medical Materiel
ATTN: DPSC-RQ-FP
2800 S. 20th Street
P. O. Box 8419
Philadelphia, PA 19101-8419

3. Include the following data in the report: (Use separate report for each item)

(a)	Federal Stock Number	(j)	Present storage condition
(b)	Complete Nomenclature	(k)	Temperature or adverse storage condition existing during shipment and furnish environmental temperature at time of receipt.
(c)	Name of manufacturer and contractor	(l)	Nature of the complaint
(d)	Date of manufacture	(m)	Name of last known carrier from which material was received and destination for shipment.
(e)	Expiration date	(n)	TCN or GBL numbers
(f)	Lot or control numbers	(o)	Date and hour material delivered by carrier.
(g)	Contract and/or requisition numbers	(p)	Date and hour material returned to refrigeration
(h)	Total dollar value	(q)	Other details concerning condition of materiel. Identify origin of shipment (Depot or contractor's name), and all entries recorded on DD Form 1502-1.
(i)	Quantity	(r)	Name, place, telephone number of person most familiar with this situation. (Autovon and commercial with area code.)

4. DO NOT issue or destroy material until disposition instructions are received from DPSC.
5. Attach the following to the SF-361 or 364:
   a. DD Form 1502-1 label (remove from the package)
   b. Copy of GBL and/or copy of carrier's delivery document.
   c. Copy of the Report of Shipment (REPSHIP) if received by teletype (or information finished in REPSHIP received by telephone).

DPSC Form 2770-1
Jan 86 EDITION JAN 75, OBSOLETE

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Encl 3
DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A
AFR 167-9

NOTICE FOR LIMITED UNREFRIGERATED MEDICAL MATERIAL SHIPMENTS

IF THIS SHIPMENT IS RECEIVED BEYOND DELIVERY DATE, OR IF THE MATERIAL MAY HAVE BEEN EXPOSED TO TEMPERATURE OVER 95° OR BELOW 32°F, TAKE THE FOLLOWING ACTIONS:

1. Place the material in chill space. (Refrigeration temperature 35° to 46°F)
2. Suspend the material from issue and use and report discrepancy on SF-361 (DISREP) or SF-364 (ROD), as appropriate, to:

DLA, Defense Personnel Support Center
Directorate of Medical Materiel
ATTN: DPSC-RQ-FP
2800 S. 20th Street
P. O. Box 8419
Philadelphia, PA 19101-8419

3. Include the following data in the report: (Use separate report each item)

(a)	National Stock Number	(j)	Present storage condition
(b)	Complete Nomenclature	(k)	Temperature or adverse storage condition existing during shipment and furnish environment temperature at time of receipt.
(c)	Name of manufacturer and contractor	(l)	Nature of the complaint
(d)	Date of manufacture	(m)	Name of last known carrier from which material was received and final destination for shipment.
(e)	Expiration date	(n)	TCN or GBL numbers
(f)	Lot or control numbers	(o)	Date and hour material delivered by carrier.
(g)	Contract and/or requisition numbers	(p)	Date and hour material returned to refrigeration
(h)	Total dollar value	(q)	Other details concerning condition of materiel. Identify origin of shipment (Depot or contractor's name), and all entries recorded on DD Form 1502-2.
(i)	Quantity	(r)	Name, place, telephone number of person most familiar with this situation. (Autovon and commercial with area code.)

4. DO NOT issue or destroy material until disposition instructions are received from DPSC.
5. Attach the following to the SF-361 or 364:
   a. DD Form 1502-2 label (remove from the package)
   b. Copy of GBL and/or copy of carrier's delivery document.
   c. Copy of the Report of Shipment (REPSHIP) if received by teletype (or information furnished in REPSHIP received by telephone).

DPSC Form 2770-2
MAR 88 JAN 86 EDITION MAY BE USED UNTIL EXHAUSTED

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LETTERING BLACK

Encl 4
DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A
AFR 167-9

FROZEN MEDICAL MATERIEL SHIPMENT

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses.

PERISHABLE - KEEP FROZEN

VACCINE → TEMPERATURE MUST BE MAINTAINED BELOW 32°F

REQUIRED DELIVERY DATE *(Calendar date)*

THIS PACKAGE PACKED AT ORIGIN

DATE	TIME	POUNDS DRY ICE	BY *(Name)*

SAMPLE

IMPORTANT

To insure delivery of this vaccine in a satisfactory condition, it is necessary that this container be re-iced with DRY ICE on or before time indicated below.
(Greenwich Meridian Time is used for overseas shipments.)

_____ POUND(S) DRY ICE WILL SAFEGUARD CONTENTS FOR _____ HOURS WHEN RE-ICING IS DONE. AT FIRST RE-ICING POINT, CROSS OUT PREVIOUS BLOCK *(Left column below)* AND ENTER NEW DATE AND TIME NEXT RE-ICING IS DUE.

MUST BE DRY RE-ICED NOT LATER THAN ↓	DRY ICE ACTUALLY ADDED			
DATE / HOUR	FIRST DRY RE-ICING →	DATE / HOUR	POUNDS	DRY ICED BY
DATE / HOUR	SECOND DRY RE-ICING →	DATE / HOUR	POUNDS	DRY ICED BY

INSTRUCTIONS

Break tape on outer container and insert necessary dry ice. IMMEDIATELY re-seal outer container and RECORD this operation on the log above. DO NOT handle this vaccine or permit container to remain open longer than is necessary for DRY re-icing.

NOTE: FAILURE TO COMPLY WITH INSTRUCTIONS MAY ENDANGER LIVES.

If materiel has thawed or if shipment arrives without dry ice, refreeze immediately. Report details by fastest means to Defense Personnel Support Center (DPSC), Directorate of Medical Materiel, 2800 S. 20th Street, Philadelphia, PA 19101-8419. Document discrepancies in accordance with AR 55-38/NAVSUP PUB 459/AFM 75-34/MCOP 4610.19/DLAR 4500.15. DO NOT issue or destroy materiel until disposition instructions are received from DPSC.

DD Form 1502, FEB 90 *Previous editions are obsolete.*

353 094

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Encl 5
DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A
AFR 167-9

CHILLED MEDICAL MATERIEL SHIPMENT

Form Approved
OMB No. 0704-0188

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PERISHABLE - KEEP CHILLED

TEMPERATURE MUST BE MAINTAINED 35° TO 46°F

REQUIRED DELIVERY DATE *(Calendar date)*

THIS PACKAGE PACKED AT ORIGIN

DATE	TIME	POUNDS OF WATER ICE	BY *(Name)*

SAMPLE

IMPORTANT

To insure delivery of this vaccine in a satisfactory condition, it is necessary that this container be re-iced with water ice on or before time indicated below.
(Greenwich Meridian Time is used for overseas shipments.)

_____ POUND(S) WATER ICE WILL SAFEGUARD CONTENTS WHEN RE-ICING IS DONE. AT FIRST RE-ICING POINT, CROSS OUT PREVIOUS BLOCK *(Left column below)* AND ENTER NEW DATE AND TIME NEXT RE-ICING IS DUE.

MUST BE WATER RE-ICED NOT LATER THAN ↓		WATER ICE ACTUALLY ADDED		
DATE / HOUR	FIRST WATER RE-ICING →	DATE / HOUR	POUNDS	WATER ICED BY
DATE / HOUR	SECOND WATER RE-ICING →	DATE / HOUR	POUNDS	WATER ICED BY

INSTRUCTIONS

Break tape on outer container and insert necessary water ice. IMMEDIATELY re-seal outer container and RECORD this operation on the log above. DO NOT handle this vaccine or permit container to remain open longer than is necessary for water icing.

NOTE: FAILURE TO COMPLY WITH INSTRUCTIONS MAY ENDANGER LIVES.

If materiel has frozen or if temperature has exceeded 46°F refrigerate IMMEDIATELY. Report details by fastest means to Defense Personnel Support Center (DPSC), Directorate of Medical Materiel, 2800 S. 20th Street, Philadelphia, PA 19101-8419. Document discrepancies in accordance with AR 55-38/NAVSUP PUB 459/AFM 75-34/MCOP 4610.19/DLAR 4500.15. DO NOT issue or destroy materiel until disposition instructions are received from DPSC.

DD Form 1502-1, FEB 90 *Previous editions are obsolete.*

351-094

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Encl 6
DLAR 4145.21
TB MED 284
NAVSUPINST 4610.31A
AFR 167-9

LIMITED UNREFRIGERATED MEDICAL MATERIEL SHIPMENT	*Form Approved OMB No. 0704-0188*

Public reporting burden for this collection of information is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses.

PERISHABLE

REQUIRED DELIVERY DATE *(Calendar date)*

IMPORTANT

This package contains Medical Materiel which may be unrefrigerated during transit provided the cumulative time out of refrigeration does not exceed _____ hours after removal time indicated below. This materiel must be returned to refrigeration upon receipt. If delayed in route, return to refrigeration at 35° F. to 46° F. temperature.

SAMPLE

REMOVED FROM REFRIGERATION			RETURNED TO REFRIGERATION		
DATE	HOUR	PLACE	DATE	HOUR	PLACE

NOTE: FAILURE TO COMPLY WITH INSTRUCTION MAY ENDANGER LIVES.

DO NOT FREEZE or allow to be subjected to temperature above 95° F at any time. If materiel has been frozen or if temperature has exceeded 95° F refrigerate immediately. Report details by fastest means to Defense Personnel Support Center (DPSC), Directorate of Medical Materiel, 2800 S. 20th St., Philadelphia, PA 19101-8419. Document discrepancies in accordance with AR 55-38/NAVSUP PUB 459/AFM 75-34/MCOP 4610.19/ DLAR 4500.15. DO NOT issue or destroy materiel until disposition instructions are received from DPSC.

DD Form 1502-2, FEB 90 *Previous editions are obsolete.*
263/094

National Stock Numbers (NSNs)
IWA Federal Specification
PPP-C-1266, Container, Thermal, Shipping (Fiberboard)

TYPE I (DRY ICE)

NSN	SIZE	DIMENSION
8115-01-203-7491	1	13-5/8" x 14-1/2" x 16"
8115-01-026-2797	2	14-1/2" x 13-5/8" x 23"
8115-01-023-0312	3	15-5/8" x 16-1/2" x 26"

TYPE II (WATER/WET ICE AND CHEMICAL ICE)

NSN	SIZE	DIMENSION
8115-01-204-3530	2	9-5/8" x 10-1/2" x 14"
8115-01-025-5385	3	19" x 16" X 16-1/2"
8115-01-023-4503	4	19" x 22-1/2" x 19-1/4"

NOTE: The NSNs above are not on the GSA schedule, however, may be procured locally. NSN inquiries should be forwarded to DLSC, Battle Creek, MI for availability.

IMPORTANT

REUSEABLE CONTAINER

PLEASE RETURN CONTAINER WITH PLUGS AND LINERS. DISCARD REFRIGERANT AND ANY OTHER PACKING MATERIAL. DO NOT RETURN DAMAGED CONTAINERS.

RETURN VIA CHEAPEST MODE OF TRANSPORTATION TO:

YOUR COOPERATION WILL CONTRIBUTE TO OUR SUPPLY MISSION AND COST REDUCTION PROGRAM.

NOTE: Photostatic copies may be made and/or reduced, of the above label of instruction. Each shipping facility may also use it for a sample and assign their own form numbers. Or similar forms designed at facility may also be used (this is only a sample). The blank area on label must contain complete address including building numbers and zip code for area designated for receiving of thermal containers.