



Cold Chain Management

Presented by

**Distribution Operations Center (DOC)
U.S. Army Medical Materiel Agency
(USAMMA)**



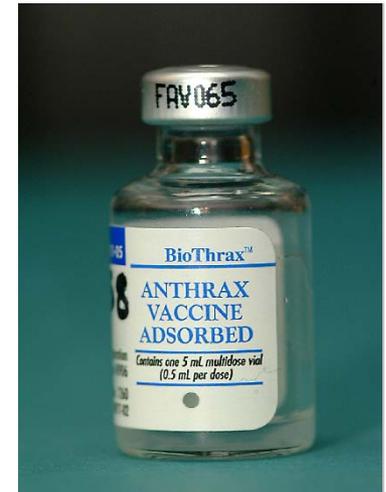
Agenda

- **Mission**
- **Vision**
- **Historical Perspective**
- **Major Performance Objectives**
- **Principal Functions**
- **Cold Chain Management Definition**
- **Key Temperature Ranges under U.S. Pharmacopoeia Standards**
- **Key Principles of Cold Chain Management**
- **Primary Aspects of Cold Chain Distribution:**
 - **Ordering Process**
 - **Customer Involvement**
 - **Packing & Shipping Specifics:**
 - **Containers**
 - **Temperature Monitoring Devices**
 - **Rapid Movements (Commercial Carriers)**



Mission

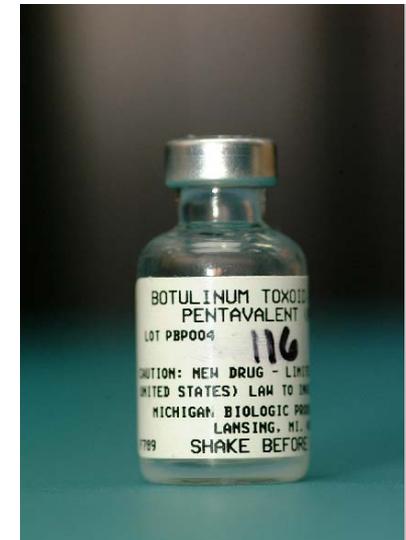
➤ **The Distribution Operations Center (DOC) from the U. S. Army Medical Materiel Agency (USAMMA) has the exclusive distribution management mission for the Department of Defense (DoD) of Anthrax and Smallpox vaccines to include other medical temperature sensitive products. Additionally, we provide consultation and training on Cold Chain Management principles and procedures.**





Vision

➤ **To develop State of the Art Distribution Mechanisms for Medical Temperature Sensitive Products in Support of DoD Objectives and to Educate Internal and External Customers on Proper Storage, Receipt & Distribution of Medical Temperature Sensitive Products.**





Historical Perspective

- Inception and development of cold chain management principles created as a result of **freezing** loss of 200,000 doses of anthrax vaccine in 1998.
- Causes for Vaccine Loss - 80+% of suspensions of products are due to **FREEZING**.
- Comparison of Military Procedures with Civilian; World Health Organization believes 60% of Vaccine is Temperature Compromised.
- Recent Episodes with Flu Vaccine, other refrigerated pharmaceuticals and lab reagents show the processes work for many items requiring cold chain management.



Major Performance Objectives

- **Major Performance Objectives:**
 - **Force Protection in CENTCOM**
 - **Timely Response to any size of shipment anywhere in the World**
 - **Ascertain and Incorporate Industry Best Practices**
 - **Build Network of Military & Vendor Relationships**
 - **Educate Customers on Proper Storage, Receipt & Distribution of Temperature Sensitive Products**



Principal Functions

- **Management of the Anthrax and Smallpox Vaccination Programs**
 - Storage - BioPort, CDC, USAMRIID and USAMMA
 - Accountability - Database Tracking, Release Certificates
 - Ordering Procedures - On-Line; Service Forms
 - Education - Website; Notification Messages; On-site Visits Training
 - Visibility - MMQC; Staff Interaction
- **Anthrax and Smallpox Vaccine Distribution/Redistribution**
 - Order Fulfillment
 - Escorts, Endurotherm Shipping Containers and VaxiCools Refrigeration/Freezer Units
 - Real Time Tracking (Commercial Carriers)
 - Prioritized Redistribution - Major New Initiative (Cross-level)
- **Cold Chain Distribution for Emergency Use Investigational New Drugs (IND) products**
 - Storage – USAMRIID
 - Distribution – Endurotherm Shipping Containers and VaxiCools Refrigeration/Freezer Units
- **Management of the Army Flu Vaccination Program**
 - Storage – Defense Distribution Depot, Mechanicsburg, PA
 - Distribution – Endurotherm Shipping Containers



What is Cold Chain Management?

➤ Cold Chain Management is the process of preparing medical temperature sensitive products for shipment utilizing approved systems and procedures. Ensuring that required temperatures are maintained throughout the supply chain and the validation of those conditions are met during all phases of distribution until issue or administration.





USP Temperature Standards

- **Refrigerated Storage** - Thermostatically controlled from 2 – 8 C; approximately 36 – 46 F.
- **Room Temperature** - prevailing ambient temperature in work area. Not acceptable for pharmaceutical storage.
- **Controlled Room Temperature** – thermostatically controlled room; 20 – 25 C (with brief deviations down to 15 C or up to 30 C). Not acceptable for pharmaceutical storage.



Key Principles of Cold Chain Management

- Use of Validated Shipping Containers to keep products chilled at proper temperature, yet prevent **freezing**.
- Inclusion of Temperature Monitoring Devices.
- Rapid Movement of products - Partnership with Commercial Carrier Guarantees Express Delivery.
- Key involvement with knowledgeable Customers.





Primary Aspects of Cold Chain Distribution

- Customers pre-alerted of pending delivery.
- Asset visibility maintained until delivery completed.
- Investigating Technology Advances/constant improvement.
- Third Party Testing of products.
- Shipments Processed IAW Controlled Substance Standards of accountability.





Anthrax and Smallpox Vaccines Ordering Process

- **Customer's must register on line**
- **Order forms**
- **Approval process**
- **Scheduling of the shipment**



Approval Process

Army:

Liz Andrews - Validate

MAJ Doulaveris - Approving Officer

Navy/Marines: - NAVMEDLOGCOM

HMC Scruggs - Validate (Navy and Marines)

Mrs. McLucas - Validate (Navy and Marines)

CDR Buchanan - Approving Officer (Navy)

HQMC - HMC Palmares / Mr. Frank Lepe - Approving
Official (Marines)

Air Force: - AFMLO

Jan Mitchell/Jackie Snoots - Validate

MAJ Bonnel - Approving Officer (Active Duty)

Michelle Miller - Approving Officer (ANG)

Pat Tooley - Approving Officer (Air Reserves)

Coast Guard:

CAPT Tedesco – Validation and Approving Officer



SMALLPOX VACCINE REQUEST FORM (ARMY)



*DENOTES REQUIRED FIELD	
DATE OF REQUEST	29-Jan-03
IDENTIFICATION	
NAME OF ITEM REQUESTED	SMALLPOX VACCINE
NDC	00080346F2
UNIT OF ISSUE	KT
QUANTITY (# OF KITS)	
*UN-OPENED KITS ON HAND	
*LOT NUMBER	
*EXPIRATION DATE	
(Enter additional lot numbers, expiration the dates, and KITS in the comments field below.) (i.e., 13-Apr-02)	
*NUMBER OF TROOPS REQUIRING VACCINE	(# OF TROOPS)
*REQUIRED DELIVERY DATE (JULIAN)	
REQUESTOR INFORMATION	
*REQUESTOR NAME	
*REQUESTOR PHONE NUMBER (COMM)	
REQUESTOR PHONE NUMBER (DSN)	
*REQUESTOR FAX NUMBER (COMM)	
REQUESTOR FAX NUMBER (DSN)	
REGIONAL MEDICAL COMMAND (RMC)	
	<input checked="" type="checkbox"/>
SHIP TO INFORMATION	
*UNIT (I.E MADIGAN ARMY MEDICAL CENTER)	
*STREET	
STREET	
*CITY	
*STATE/ COUNTRY	
*ZIP	
SHIPMENT POC INFORMATION	
*SHIPMENT POC	
*POC PHONE NUMBER (COMM)	
POC PHONE NUMBER (DSN)	
POC E-MAIL (REQUIRED FOR OCONUS)	
*ALTERNATE POC	
*ALTERNATE PHONE NUMBER (COMM)	
ALTERNATE PHONE NUMBER (DSN)	
ALTERNATE E-MAIL (REQUIRED FOR OCONUS)	
*POC / ALTERNATE FAX NUMBER (COMM)	
POC / ALTERNATE FAX NUMBER (DSN)	
COMMENTS	
[Empty Field]	
Submit Form	Reset Form
EXPERIENCING TECHNICAL DIFFICULTIES? CALL COMM 301-619-4121 DSN 343-4121	



ANTHRAX VACCINE REQUEST FORM (ARMY)



DATE OF REQUEST		*DENOTES REQUIRED FIELD		29-Jan-03
NAME OF ITEM REQUESTED		IDENTIFICATION		ANTHRAX VACCINE 5ML
NSN				6505013996828
UNIT OF ISSUE				VI
QUANTITY (# OF VIALS)				
REGULAR MILITARY				<input type="text"/>
OR				
STATE DEPT MILITARY				<input type="text"/>
STATE DEPT				<input type="text"/>
TOTAL QUANTITY (REQUIRED FOR STATE DEPT)				<input type="text"/>
REQUIREMENTS (60 DAY PROJECTION)				
*IMMUNIZATION #1, #2, #3				(# OF DOSES)
IMMUNIZATION #4				(# OF DOSES)
IMMUNIZATION #5				(# OF DOSES)
IMMUNIZATION #6				(# OF DOSES)
ANNUAL BOOSTER				(# OF DOSES)
*TOTAL				(# OF DOSES)
*UN-OPENED VIALS ON HAND		<input type="text"/>		<input type="text"/>
*LOT NUMBER		<input type="text"/>		<input type="text"/>
*EXPIRATION DATE		<input type="text"/>		<input type="text"/>
(Enter additional lot numbers, expiration dates, and vials in the comments field below.) (i.e., 13-Apr-02)				
*TROOPS DEPLOYING INTO HIGH THREAT AREA (HTA)				(# OF TROOPS)
*PROVIDE ALL DATES OF DEPLOYMENT AND NUMBERS FOR EACH DATE				
<input type="text"/>				
DOCUMENT NUMBER				
REQUISITIONER (DODAAC)				<input type="text"/>
DATE (JULIAN)				<input type="text"/>
SERIAL NUMBER				<input type="text"/>
PRIORITY				02
*REQUIRED DELIVERY DAY OF THE YEAR (JULIAN)				<input type="text"/>
REQUESTOR INFORMATION				
*REQUESTOR NAME				<input type="text"/>
*REQUESTOR PHONE NUMBER (COMM)				<input type="text"/>
REQUESTOR PHONE NUMBER (DSN)				<input type="text"/>
*REQUESTOR FAX NUMBER (COMM)				<input type="text"/>
REQUESTOR FAX NUMBER (DSN)				<input type="text"/>
REGIONAL MEDICAL COMMAND (RMC)				
SHIP TO INFORMATION				
*UNIT (I.E MADIGAN ARMY MEDICAL CENTER)				<input type="text"/>
*STREET				<input type="text"/>
STREET				<input type="text"/>
*CITY				<input type="text"/>
*STATE/ COUNTRY				<input type="text"/>
*ZIP				<input type="text"/>
SHIPMENT POC INFORMATION				
*SHIPMENT POC				<input type="text"/>
*POC PHONE NUMBER (COMM)				<input type="text"/>
POC PHONE NUMBER (DSN)				<input type="text"/>
POC E-MAIL (REQUIRED FOR OCONUS)				<input type="text"/>
*ALTERNATE POC				<input type="text"/>
*ALTERNATE PHONE NUMBER (COMM)				<input type="text"/>
ALTERNATE PHONE NUMBER (DSN)				<input type="text"/>
ALTERNATE E-MAIL (REQUIRED FOR OCONUS)				<input type="text"/>
*POC / ALTERNATE FAX NUMBER (COMM)				<input type="text"/>
POC / ALTERNATE FAX NUMBER (DSN)				<input type="text"/>
COMMENTS				
<input type="text"/>				

Submit Form Reset Form



Customer Involvement

- Pre-Alert customer of shipment at least 24 hours prior.
- Verify the shipping address and points of contacts:
 - Please provide two points of contacts.
 - POC must be those at the receiving site
- Proper Refrigeration:
 - Temperature at 2 – 8 C.
 - Alarm w/read out.
 - Monitor – minimum of twice a day every 12 hours/7 days a week.
- Alert shipping area:
 - Pre-clear any customs issues for all overseas location.
- Track shipment.
- Call DOC to confirm receipt immediately upon delivery:
 - Provide DOC with return TempTale tracking airbill number.



Endurotherm Boxes

CONUS/OCONUS Distribution From Manf. Utilize Commercial Overnight Carriers and the EnduroTherm Insulated Containers





Endurotherm Packaging

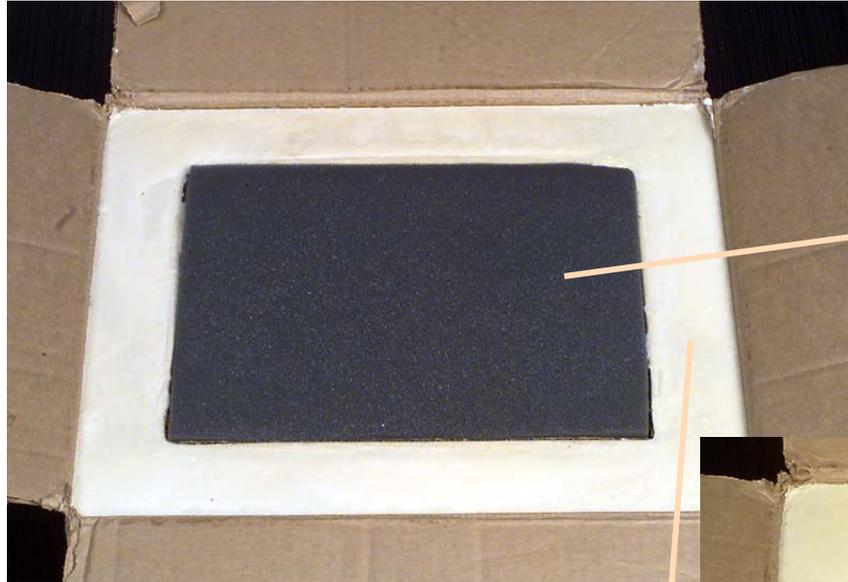


**SELF ADDRESSED/PRE-PAID
ENVELOPE USED TO
RETURN TEMPTALE TO
USAMMA**





Endurotherm Packaging



**4" INSULATED
FOAM PLUG**

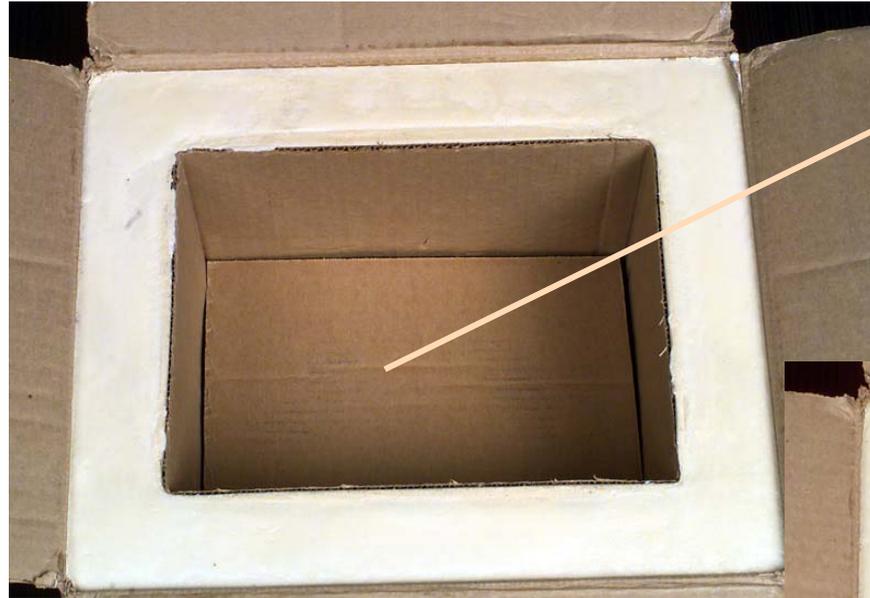
LAYERED GEL PACKS



**2" POLYURETHANE INSULATED
SIDES AND BOTTOM**



Endurotherm Packaging



**WAFER BOARD, PLACED
BETWEEN LAYERS OF GEL
PACKS**



GEL PACKS COOLED TO 4° CELSIUS



Endurotherm Packaging



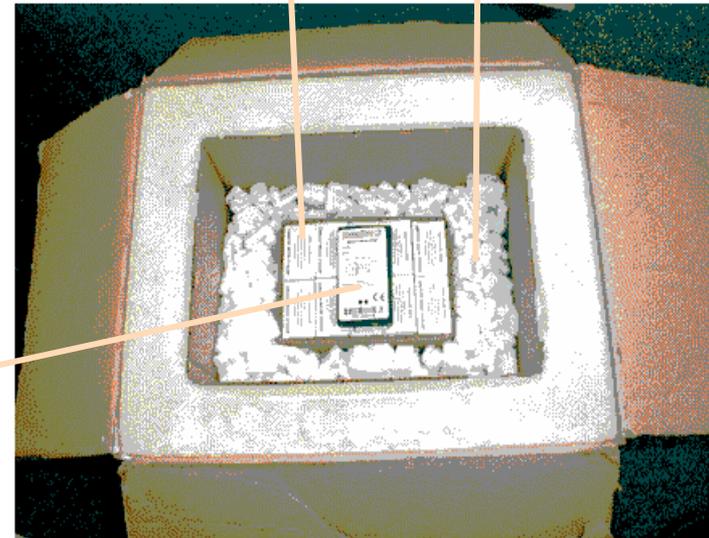
PACKING MATERIAL AROUND VACCINE

ADDITIONAL GEL PACKS ARE PLACED UNDER VACCINE (COVERED BY PACKING MATERIAL)

VACCINE

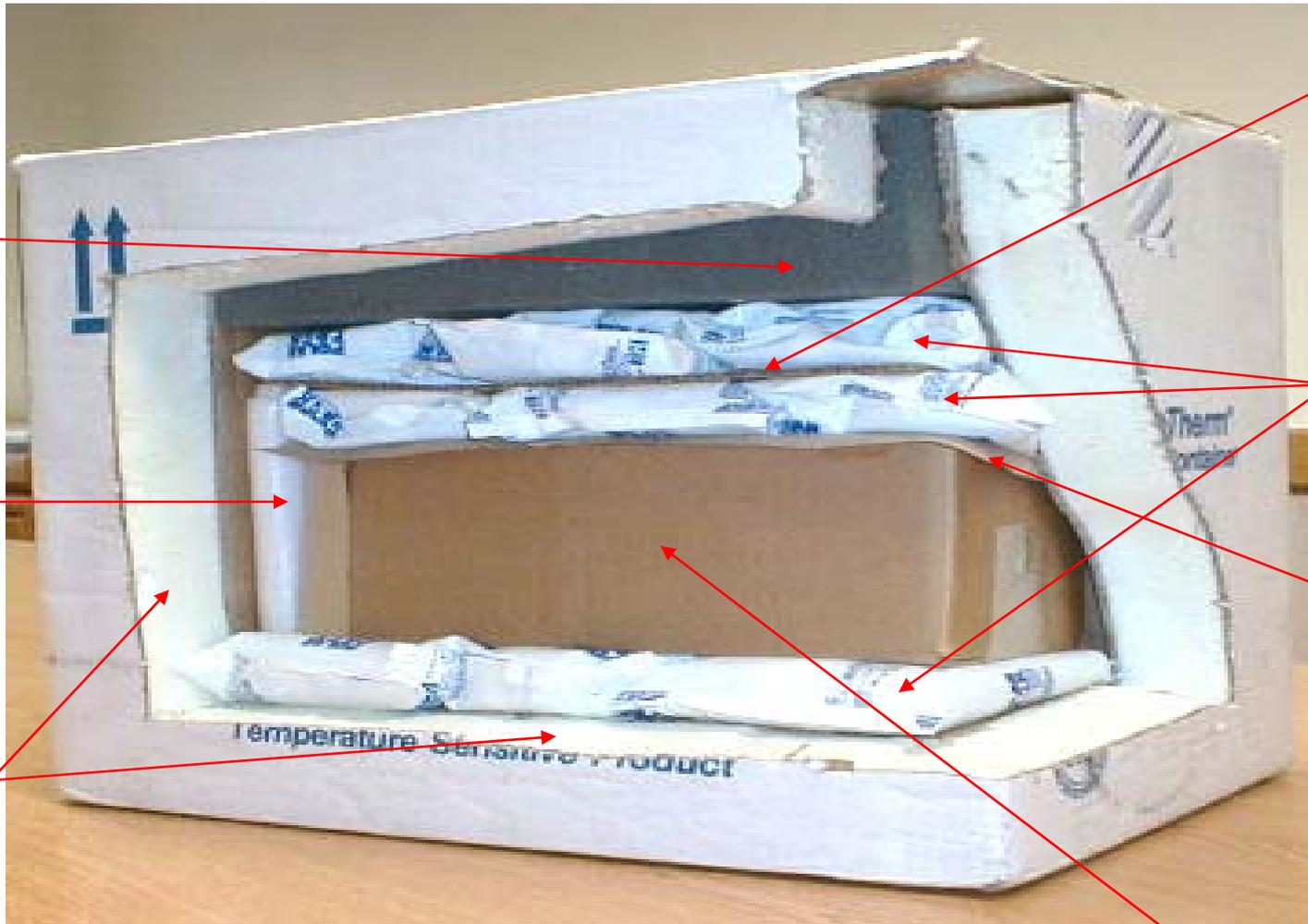
MOISTURE ABSORBING PAPER PLACED BETWEEN GEL PACKS AND VACCINE

TEMPERATURE MONITOR





Endurotherm Packaging



Foam Plug

Gel Packs Surrounding the Product

2" of Polyurethane Foam (Insulation)

Cardboard Barrier

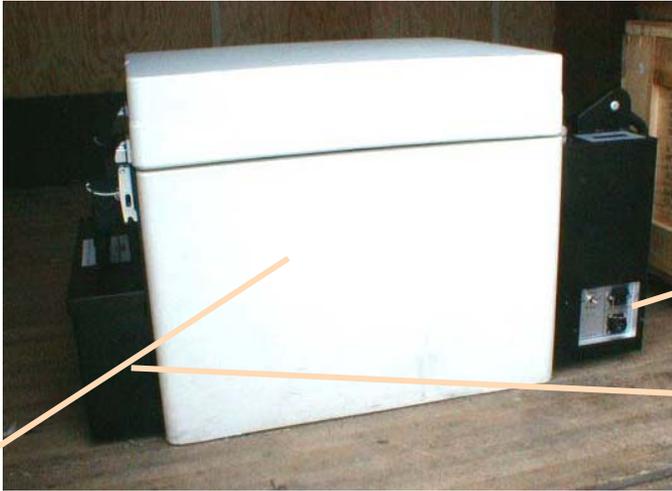
Gel Packs

Moisture Barrier Paper

Vaccine or Product



VAXICOOL Container



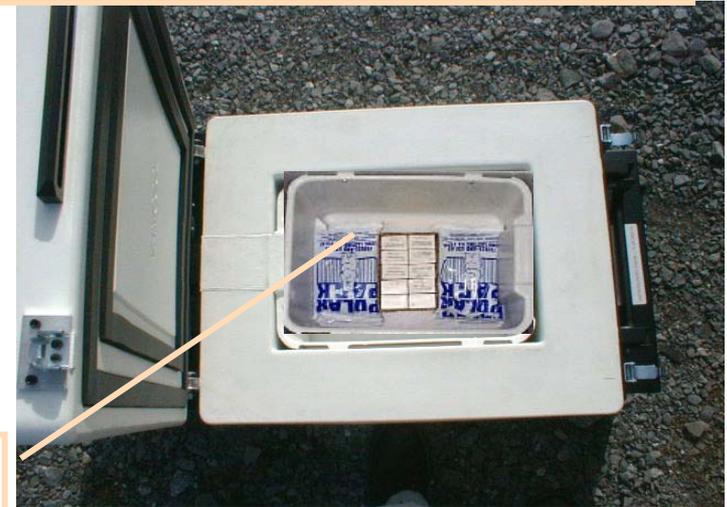
Intra-Theater Distribution Utilizes Express Carriers To Transport The Vaxicools Which Are Located Throughout The World To Help With Intra-Theater Distribution

POWER PANEL CONTAINS SOLAR INPUT PLUG, AC POWER FROM 90-270 VOLTS

BATTERY BOX CONTAINING 2 - 12 Volt DRY GEL-CELL BATTERIES

THE SYSTEM IS COMPRISED OF a) A SUPER-EFFICIENT COMPRESSOR, b) A SUPER INSULATED CONTAINER USING VACUPANEL INSULATION DESIGNED TO MAINTAIN VACCINES AT APPROPRIATE TEMPRATURES 2-8 CELSIUS.

VAXICOOL HAS A INSIDE DIMENSION OF 14 (LENGTH) BY 10-1/2 (WIDTH) BY 10 (DEPTH) ITS PAYLOAD CAN BE 1 VIAL TO 400 VIALS.





VaxiPac Container

Vaxipac is used for transport of small quantities of refrigerated products.

Redistribution utilizes Express Carriers to Transport the Vaxipacs which are located throughout the world.



EXTERIOR DIMENSION OF 15 (LENGTH) BY 7.75 (WIDTH) BY 11.38 (DEPTH)



WALLS LINED WITH VACUPANEL INSULATION

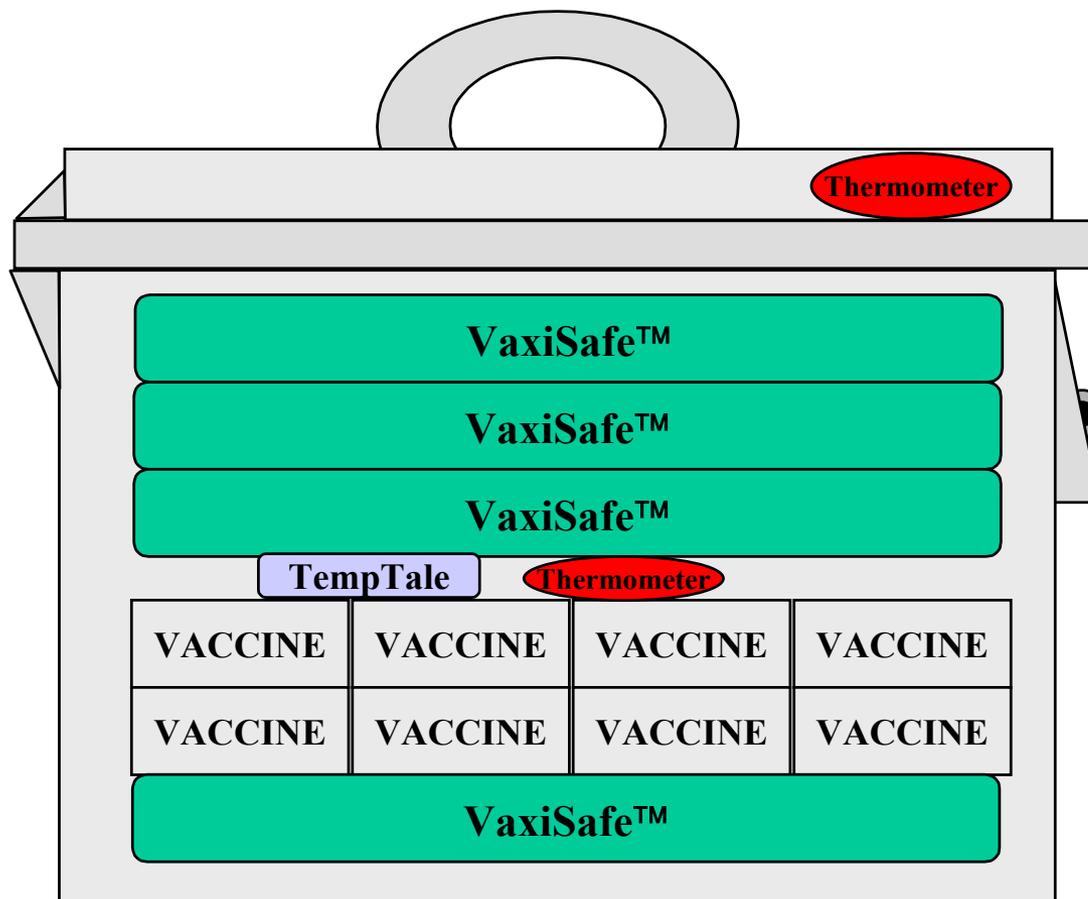
VAXISAFE IS A PHASE CHANGE MATERIAL (PCM) THAT STARTS TO HARDEN OR FREEZE AT 6 CELCIUS.

MAXIMUM OF 24 VIALS CAN BE PLACED IN VaxiPac (A FULL LAYER CONSISTS OF 12 VIALS)





VaxiPac Container





Temperature Monitors



TempTale3 (TT3)

The TT3 is used by many industries to record conditions during air, marine, and land transportation, as well as to monitor environmental conditions while products are in storage. TT3's use thermistor technology to measure ambient temperatures, or they measure core temperatures with the optional probes.

TempTale3

<i>Operating Range</i>	-22°F to +185°F (-30°C to +85°C)*	
<i>Sensor Options</i>	Ambient, SS Probe, Flex Probe, Pulp Probe (16,000 data pts only)	
<i>Sensor Accuracy</i>	$\pm 2^{\circ}\text{F}$ from -22°F to 0°F	($\pm 1.1^{\circ}\text{C}$ from -30°C to -18°C)
	$\pm 1^{\circ}\text{F}$ from 0°F to +122°F	($\pm 0.55^{\circ}\text{C}$ from -18°C to +50°C)
	$\pm 2^{\circ}\text{F}$ from +122°F to +185°F	($\pm 1.1^{\circ}\text{C}$ from +50°C to +85°C)
<i>Memory Size</i>	2,000 or 16,000 Data Points	
<i>Temperature Alarms</i>	Yes - Red/Green LED Alarm	
<i>Start-Up Delay</i>	Minimum - 0 Minutes	Maximum - 20 Days
<i>Measurement Interval</i>	Minimum - 30 Seconds	Maximum - 120 Minutes
<i>Sensor Resolution</i>	0.1° (1/10°)	



Temperature Monitors

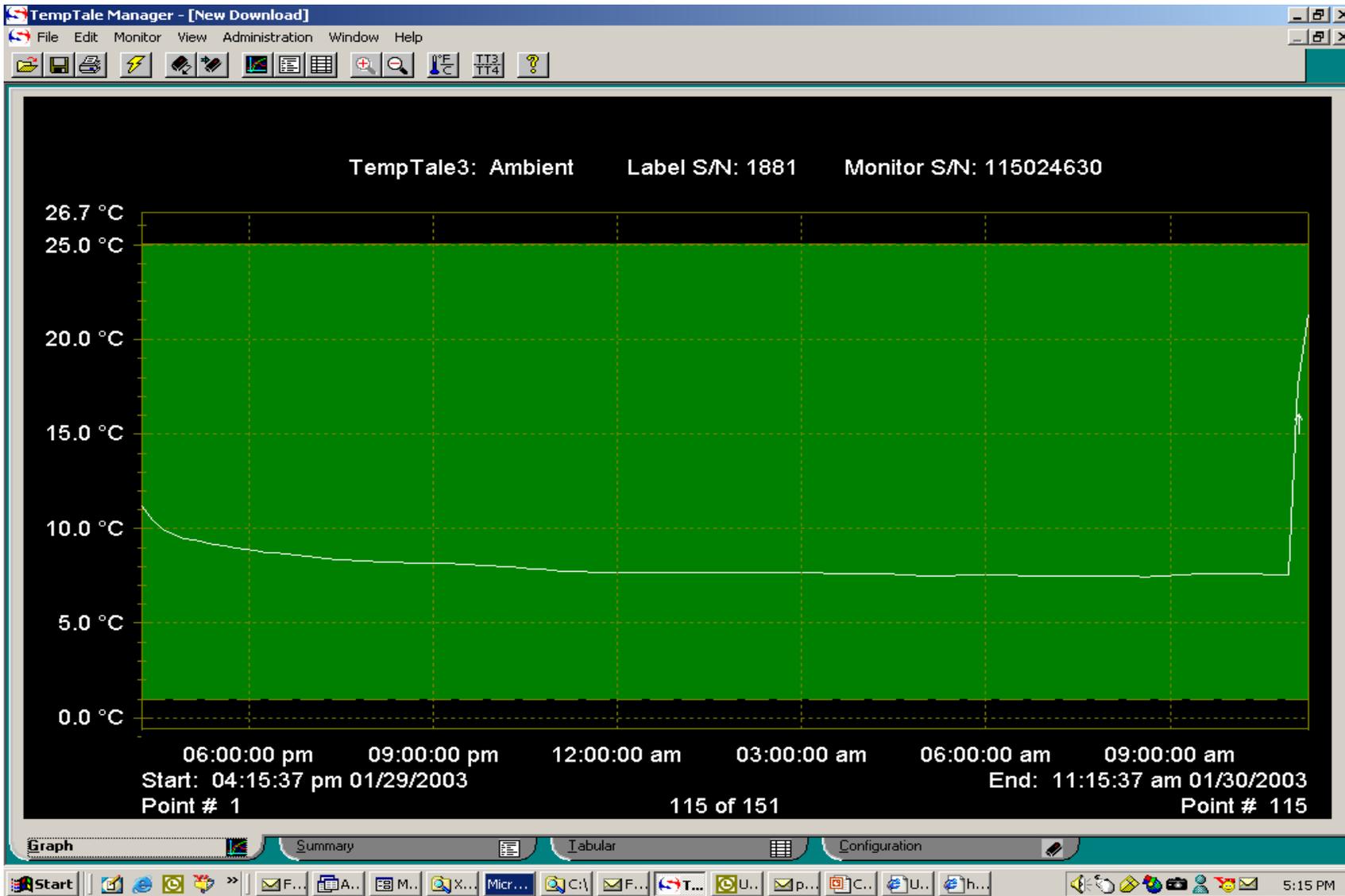
The TT4 is the most reliable technology available in the industry. With the TempTale 4's unique alarming features and on demand temperature history, managing your temperature sensitive products is now as simple as pressing a button.



Primary Operating Range	-22°F to +158°F (-30°C to +70°C)
Primary Sensor Options	Ambient Temperature only
Primary Sensor Accuracy	±2°F from -22°F to 0°F (±1°C From -30°C to -18°C) ±1°F from 0°F to +122°F (±0.5°C from -18°C to +50°C) ±2°F from +122°F to +158°F (±1°C from +50°C to +70°C)
Memory Size	1,920 Data Points
Temperature Alarms	LCD Alarm for single event or cumulative time out of range
Start-Up Delay	Minimum - 0 Seconds Maximum - 194 Days
Measurement Interval	Minimum - 10 Seconds Maximum - 2 Hours
Primary Sensor Resolution	0.1° (1/10°)



TempTale Download Data





Summary of TempTale Download



TempTale Manager - [New Download]

File Edit Monitor View Administration Window Help

TempTale Information

First Point Recorded:	04:15:37 pm 01/29/2003	Label Serial # :	1881
Stop Time:	05:15:37 pm 01/30/2003	TempTale Type:	TempTale3

[Points: 1 to 115](#)

Ambient

Minimum Temp:	7.4 °C @ 08:35:37 am 01/30/2003
Maximum Temp:	21.3 °C @ 11:15:37 am 01/30/2003
Average Temp:	8.2 °C
Standard Deviation:	1.7 °C
Time Below Low alarm:	0 sec
Time Above High alarm:	0 sec
Longest Time Below Low alarm:	0 sec
Longest Time Above High alarm:	0 sec
Degree Minutes Below Low alarm:	0.0 °C-min
Degree Minutes Above High alarm:	0.0 °C-min
# Events Below Low alarm:	0
# Events Above High alarm:	0

Miscellaneous

The Read Time is based on the local PC clock

Time When Read: 05:15:37 pm 01/30/2003

of Points Recorded: 151

Comments

Graph Summary Tabular Configuration

Start | F... | A... | M... | X... | Micr... | C:\ | F... | T... | U... | p... | C... | U... | h... | 5:16 PM



Tabular Data of TempTale download

TempTale Manager - [New Download]

File Edit Monitor View Administration Window Help

TempTale Information

First Point Recorded: 04:15:37 pm 01/29/2003
Stop Time: 05:15:37 pm 01/30/2003
Label Serial #: 1881
TempTale Type: TempTale3
Points: 1 to 115

	Date	Time	Ambient
1	01/29/2003	04:15:37 pm	11.2 °C
2	01/29/2003	04:25:37 pm	10.4 °C
3	01/29/2003	04:35:37 pm	10.0 °C
4	01/29/2003	04:45:37 pm	9.7 °C
5	01/29/2003	04:55:37 pm	9.5 °C
6	01/29/2003	05:05:37 pm	9.4 °C
7	01/29/2003	05:15:37 pm	9.3 °C
8	01/29/2003	05:25:37 pm	9.2 °C
9	01/29/2003	05:35:37 pm	9.1 °C
10	01/29/2003	05:45:37 pm	9.0 °C
11	01/29/2003	05:55:37 pm	8.9 °C
12	01/29/2003	06:05:37 pm	8.9 °C
13	01/29/2003	06:15:37 pm	8.8 °C
14	01/29/2003	06:25:37 pm	8.7 °C
15	01/29/2003	06:35:37 pm	8.7 °C
16	01/29/2003	06:45:37 pm	8.6 °C
17	01/29/2003	06:55:37 pm	8.6 °C
18	01/29/2003	07:05:37 pm	8.5 °C
19	01/29/2003	07:15:37 pm	8.4 °C
20	01/29/2003	07:25:37 pm	8.4 °C
21	01/29/2003	07:35:37 pm	8.4 °C
22	01/29/2003	07:45:37 pm	8.3 °C
23	01/29/2003	07:55:37 pm	8.3 °C
24	01/29/2003	08:05:37 pm	8.3 °C
25	01/29/2003	08:15:37 pm	8.3 °C
26	01/29/2003	08:25:37 pm	8.3 °C
27	01/29/2003	08:35:37 pm	8.2 °C
28	01/29/2003	08:45:37 pm	8.2 °C
29	01/29/2003	08:55:37 pm	8.2 °C
30	01/29/2003	09:05:37 pm	8.2 °C
31	01/29/2003	09:15:37 pm	8.2 °C
32	01/29/2003	09:25:37 pm	8.1 °C

Graph Summary Tabular Configuration

Start [Taskbar icons] 5:17 PM



FedEx Tracking Screen

FedEx Express | Tracking | Results Detail - Microsoft Internet Explorer

File Edit View Favorites Tools Help



Address http://www.fedex.com/cgi-bin/tracking?action=track&language=english&ascend_header=1&cntry_code=us&initial=x&mps=y&tracknumbers=617933345399 Go Links



[United States Home](#) | [Information Center](#) | [Customer Support](#) | [Site Map](#)

Search Go!

Package / Envelope Services | Freight Services | Same Day Services

Ship | **Track** | Rates | Pickup | Locations | Transit Time | International Tools

Track Shipments Detailed Results

[Printable Version](#) [Quick Help](#)

Tracking number	617933345399	Reference number	5193
Signed for by	P.WEBBER	Delivered to	Recept/Frnt desk
Ship date	Apr 27, 2004	Delivery location	NORTH VERSAILLES PA
Delivery date/time	Apr 28, 2004 9:30 am	Service type	Priority Overnight

Date/time	Status	Location	Comments
Apr 28, 2004	Delivered	NORTH VERSAILLES PA	
9:30 am		PLUM PA	
7:42 am	On FedEx vehicle for delivery	PLUM PA	
7:39 am	Arrived at FedEx Destination Location	PITTSBURGH PA	
6:10 am	Arrived at FedEx Ramp	PITTSBURGH PA	
6:03 am	Left FedEx Ramp	INDIANAPOLIS IN	
4:07 am	Left FedEx Sort Facility	FLINT MI	
12:42 am	Left FedEx Ramp	INDIANAPOLIS IN	
12:21 am	Arrived at Sort Facility	FLINT MI	
Apr 27, 2004		LANSING MI	
10:28 pm	Arrived at FedEx Ramp	LANSING MI	
7:33 pm	Left FedEx Origin Location	LANSING MI	
4:09 pm	Picked up by FedEx		

You can also track:

- [By Alternate Reference](#)
- [By Email](#)
- [TCN \(Gov't Shippers\)](#)

Track other FedEx services

- [FedEx Custom Critical shipments](#)
- [FedEx Trade Networks shipments](#)
- [International Air Cargo](#)

Wrong Address?

Reduce future mistakes by using [FedEx Address Checker](#).

Shipping Freight?

FedEx has [LTL](#), [air freight](#), [surface and air expedited freight](#), [multi piece package deliveries](#), and [ocean freight](#).

Email your detailed tracking results (optional)



DHL Tracking Screen

DHL - Tracking Summary - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://track.dhl-usa.com/TrackByNbr.asp

DHL Ship Track Transit Times Rates Pickups Locations Supplies Billing

By Number By Reference By Email Signature P.O.D. Sky Courier Shipments

LOGIN REGISTER

- Customer Service
- Domestic Services
- International Services
- Small Business Center
- Technology Tools
- About DHL

TRACKING RESULTS: DETAIL [Start a new search](#)

Tracking Number: 8813328226

Shipment Summary:

Current Status: **Shipment delivered.**
 Delivered on: 4/1/04 9:05 am
 Delivered to:
 Signed for by: JQ DUENAS

Shipment History:

DATE	TIME	ACTIVITY AND COMMENTS	LOCATION
4/1/04	9:05 am	Shipment delivered.	Tamuning, Guam
	8:07 am	Arrived DHL facility.	Tamuning, Guam
	8:06 am	Clearing process complete.	Tamuning, Guam
	8:05 am	On Hand at Destination Station.	Tamuning, Guam
	7:46 am	With delivery courier.	Tamuning, Guam
	7:00 am	Arrived DHL facility.	Tamuning, Guam
3/30/04	11:08 am	In Transit.	Los Angeles, CA
	10:39 am	In Transit.	Los Angeles, CA
	9:55 am	Transferred through a DHL facility	Los Angeles, CA
	6:10 am	In Transit.	Erlanger, KY
3/29/04	5:12 pm	In Transit.	Frederick, MD
	5:12 pm	In Transit.	Frederick, MD
	2:36 pm	Picked Up by DHL.	Shipper's Door

Shipper: USAMMA
Fort Detrick, MD 217025000
Us

Receiver: US NAVAL HOSPITAL GUAM
Agana Heights
Gu

By Tracking Number

start C:\WIND... Inbox - Mi... 4 Micros... C:\ 3 Intern... Windows ... Microsoft ... 41° 10:02 AM



Anthrax Vaccine Website

USAMMA - Distribution Operations Center - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.usamma.army.mil/anthrax/antxhome.htm>

Search Taxes 2003 Sign In My Yahoo! HotJobs Yahoo! Games Yahoo! Mail News

Track Shipments POCs Links Training Search

AVIP
Anthrax Vaccine Immunization Program

USAMMA
Distribution Operations Center (DOC)
Hours of Operations: Monday - Friday 0700 - 1700 (EST)
After hours call: 301-676-1184 / 0858 / 2017 for urgent issues only

Implementation Plans/Messages

- ◆ Army
 - [ALARACT Message \(02 OCT 02\)](#)
 - [VCSA Approval memo \(24 SEP 02\)](#)
 - [Implementation Plan \(24 SEP 02\)](#)
 - [ALARACT Message \(02 JUL 02\)](#)
- ◆ Navy
 - [NAVADMIN Message \(21 OCT 02\)](#)
- ◆ Air Force
 - [CSAF Approval Memo and USAF Implementation Plan](#)
 - [ALMAJCOM Message \(28 JUN 02\)](#)
- ◆ Marine Corps
 - [MARADMIN Message \(21 SEP 02\)](#)
- ◆ Coast Guard
 - [Implementation Plan \(24 SEP 02\)](#)

Home

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[Vaccine Request Procedures](#)

[Implementation Plans/Messages](#)

[Product Image](#)

[Product Insert](#)

[Characteristics / Ancillary Supplies](#)

[Storage, Handling, & Administration](#)

[Emergency Storage of Anthrax Vaccine SOP](#)

[Disposition of AVA](#)

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www.usamma.army.mil/anthrax/antxhome.htm



Smallpox Vaccine Website

USAMMA - Distribution Operations Center - Microsoft Internet Explorer

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Address <http://www.usamma.army.mil/smallpox/index.htm>

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USAMMA

Distribution Operations Center (DOC)
Hours of Operations: Monday - Friday 0700 - 1700 (EST)
After hours call: 301-676-1184 / 0858 / 2017 for urgent issues only

SMALLPOX VACCINE PROGRAM (SVP)

For Smallpox Information / Policies refer to [The Military Vaccines Website](#).

Home

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www.usamma.army.mil/smallpox/index.htm



MMQC Messages

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O1 241955Z Mar 04 PP PP UUUU AA ZYUW
 FROM
 QUAD SERVICE MMQC FT DETRICK MD//USAMMA/AFMLO/NMLC//
 TO
 11370
 488
 7485
 7486
 7487
 7488
 7783
 9344
 9345

UNCLAS
 SUBJ: DOD-MMQC-04-1089
 DESTRUCTION OF ANTHRAX VACCINE

1. THE PURPOSE OF THIS MESSAGE IS TO REMIND ALL UNITS THAT LOTS FAVO70, FAVO71 AND FAVO72 OF THE ANTHRAX VACCINE HAVE EXPIRED. ALL SERVICES MUST COMPLY WITH THE FOLLOWING GUIDELINES FOR DESTRUCTION:
 - A. THE USAMMA DISTRIBUTION OPERATIONS CENTER (DOC) HAS POSTED THE DESTRUCTION PROCEDURES ON THE FOLLOWING WEB SITE: HTTP://WWW.USAMMA.ARMY.MIL/ANTHRAX/ANTXHOME.HTM. PROCEDURES CAN BE LOCATED BY CLICKING ON THE DISPOSITION OF AVA HOT BUTTON. THE SOP EXPLAINS THE PROPER PROCEDURES FOR DESTRUCTION OF THE ANTHRAX VACCINE.
 - B. ALL UNOPENED VIALS OF ANTHRAX VACCINE THAT ARE DESTROYED MUST BE REPORTED TO THE DOC. AN EXECUTIVE SUMMARY (EXSUM) IS NOT REQUIRED FOR LOTS FAVO70, FAVO71 AND FAVO72. DESTRUCTION REPORTS SHOULD BE SENT TO DOC FAX: 301-619-4468 OR DSN: 343-4468.
2. PASS MESSAGE TO ALL MEDICAL LOGISTICS OFFICERS, COMMAND CHANNELS, PHARMACY OFFICERS, MEDICAL STAFF SECTIONS, SUPPLY OFFICERS, IMMUNIZATION CLINICS

Done Internet



MMQC Messages

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Address http://www.usamma.army.mil/smallpox/index.htm

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 FROM
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TO
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UNCLAS

SUBJ: DOD-MMQC-04-1090
 SMALLPOX EXPIRATION DATE EXTENSION

1. THE PURPOSE OF THIS MESSAGE IS TO INFORM ACTIVITIES OF THE EXTENSION TO THE EXPIRATION DATE FOR THE SMALLPOX VACCINE, LOT 4020074.
2. ON 22 MARCH 2004, THE FDA APPROVED THE EXTENSION TO THE EXPIRATION DATE FOR THE SMALLPOX VACCINE, LOT 4020074. THE EXTENDED EXPIRATION DATE IS OCTOBER 2004.
3. ACTIVITIES SHOULD CONTINUE TO USE LOT 4020074 UNTIL 31 OCT 04. PLACE A COPY OF THIS MMQC WITH EXISTING STOCK.
4. EXTENSION LETTERS ARE POSTED ON THE MILITARY VACCINE AGENCY (MILVAX) WEBSITE: HTTP://WWW.SMALLPOX.ARMY.MIL/RESOURCE/VIG.ASP
5. PASS MESSAGE TO ALL MEDICAL LOGISTICS OFFICERS, COMMAND CHANNELS, PHARMACY OFFICERS, MEDICAL STAFF SECTIONS, SUPPLY OFFICERS, IMMUNIZATION CLINICS, SMALLPOX VACCINE SHOT TEAMS, AND SUPPORTED ACTIVITIES/CENTERS.



MMQC Messages Registration Site



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Address http://www.usamma.army.mil/apps/nala_qaweb/nala_index.cfm Go Links



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DOC/USAMMA POC's

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(301) 619-4121 or (301) 676-2017 (Cell)

Mrs. Kitty Reese – Website Registration/Technical Support
(301) 619-4320

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