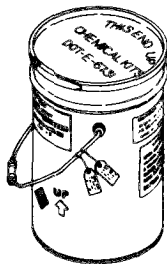


TECHNICAL MANUAL
OPERATOR'S MANUAL
M72A1 SIMLANTS CHEMICAL AGENT
IDENTIFICATION TRAINING SET
(NSN 6910-00-106-4800)



HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 1985

WARNING

Some chemical agent simulants in this training set are toxic, and some are corrosive. Do not inhale or drink any chemical agent simulants. They can cause sickness or injury.

Always wear a facepiece when using this training set. Work in a well ventilated area. Wear gloves when handling vials or bottles of chemical agent simulants. If simulants get on your skin, wash immediately with soap and water.

Glass contents of this training set could break during handling. Use care when first inspecting contents to avoid cuts caused by broken glass.

For specific first aid and medical information, see appendix E.

TECHNICAL MANUAL

No. 3-6910-226-10

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 15 July 1985

Operator's Manual

M72A1 SIMULANTS CHEMICAL AGENT
IDENTIFICATION TRAINING SET
(NSN 6910-00-106-4800)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

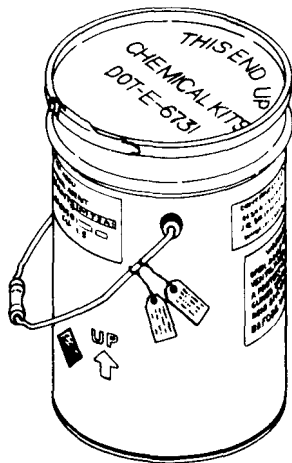
You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Equipment Publications and Blank Forms) direct to: Commander, US Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAR-T (A), Aberdeen Proving Ground, MD21010-5423. A reply will be furnished to you.

*This manual supersedes TM 3-6910-226-10, 20 July 1973, including change 1, dated 25 June 1981, and undated addendum.

		Page
	HOW TO USE THIS MANUAL	iii
CHAPTER	1. INTRODUCTION	
Section	I. General Information	1-1
	II. Equipment Description	1-3
CHAPTER	2. OPERATING INSTRUCTIONS	
Section	I. Operation Under Usual Conditions	2-0
	II. After Operation Checks and Services	2-15
APPENDIX	A. REFERENCES	A-1
	B. COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS . . .	B-1
	C. ADDITIONAL AUTHORIZATION LIST.	C-0
	D. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LISTS	D-1
	E. FIRST AID AND MEDICAL INFORMATION	E-0

HOW TO USE THIS MANUAL

To use your SCAITS properly, you will need to be familiar with the Operating Procedures for the ABC-M18A2 Detector Kit, TM 3-6665-254-12. The SCAITS manual tracks closely with TM 3-6665-254-12. Some instructions in TM3-6665-254-12 will tell you to skip test; however, when using your SCAITS with the ABC-M18A2 Detector Kit, **DO NOT SKIP ANY TESTS**. The SCAITS is intended for use by a trained instructor or trainee under instructor's supervision.



M72A 1 Simulants Chemical Agent Identification Training Set

CHAPTER 1

INTRODUCTION

Section 1. GENERAL INFORMATION

1-1. SCOPE

- a. *Type of Manual.* Operator's manual.
- b. *Model Number and Equipment Name.* M72A1 Simulants Chemical Agent Identification Training Set. Common name is SCAITS.
- c. *Purpose of Equipment.* Used to train personnel in recognizing color changes they will see when using the ABC-M18A2 Chemical Agent Detector Kit. The simulant agents produce the same color changes that chemical agents would.

1-2. MAINTENANCE FORMS AND RECORDS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS) as contained in Maintenance Management Update.

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs)

If your SCAITS needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at:

Commander
US Army Armament, Munitions and Chemical Command
ATTN: AMSMC-QAD (R)
Rock Island, IL 61201

We'll send you a reply.

1-4. NOMENCLATURE CROSS-REFERENCE LIST

Common

Official Nomenclature

SCAITS

M72A1 Simulants Chemical Agent Identification Training Set

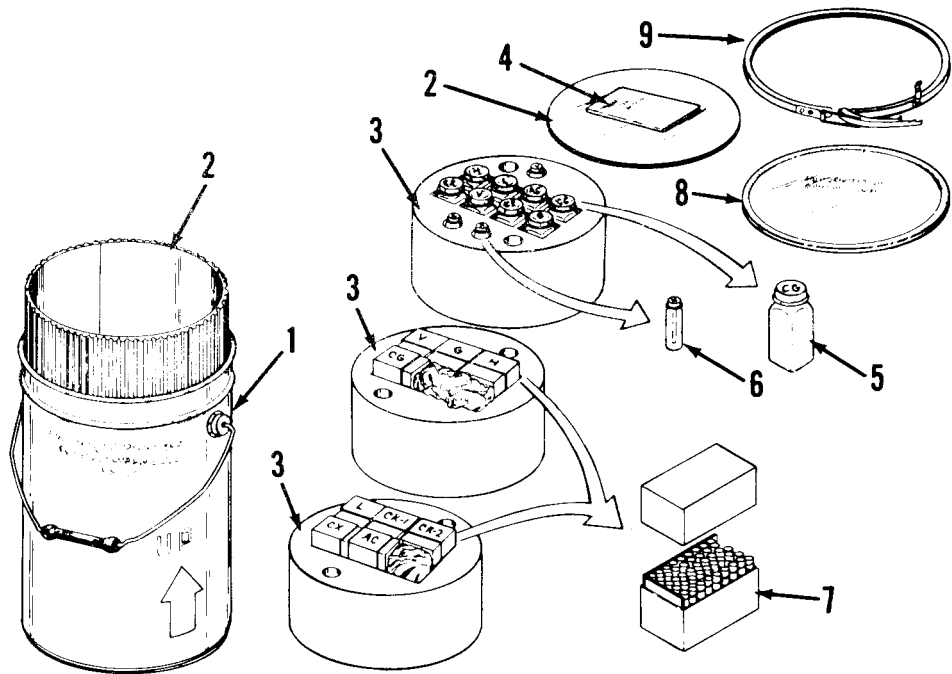
M18A2 detector kit

ABC-M18A2 Chemical Agent Detector Kit

Section II. EQUIPMENT DESCRIPTION

1-5. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

- Expendable.
- Used to train personnel in operation of M18A2 detector kit.
- Should be used at room temperature from 50° to 105°F.
- Intended for use by trained instructor or trainee under instructor's supervision.



1-6. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

SHIPPING AND STORAGE CONTAINER (1). Used to store SCAITS components between training sessions. Cardboard packing (2) protects components from damage.

HOLDERS (3). Can be removed from shipping container and used as holders during training sessions.

TECHNICAL MANUAL (4). Provided with each SCAITS. TM should be kept with SCAITS at all times.

TEST BOTTLES (5). Eight empty bottles used to hold samples of simulants during training with **M18A2** detector kit. Each bottle is marked either H, CK, CX, G, V, L, AC, or CG. Bottles have colored markings to match colored markings on detector tubes in M18A2 detector kit.

LIQUID AGENT SWAN-ANTS (6). Three bottles, each holding a different type of simulant. Each bottle is retied either G, V, or H.

VAPOR- AGENT SIMULANTS (7). Nine boxes, each holding 50 vials. Each box holds one type of simulant is marked on the box and on each vial. Vials have colored markings to match colored markings on detector tubes in M18A2 detector kit.

SHIPPING AND STORAGE CONTAINER LID (8). Is secured to top of shipping container using lever locking ring (9).

1-7. EQUIPMENT DATA

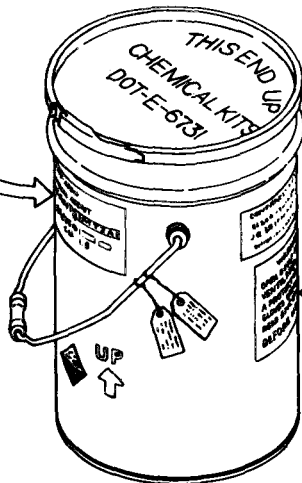
Weight (approximate) 12lb

Volume 5gal

Cubage 1.3cuft

1-8. WARNING AND INSTRUCTION DECALS

6910-00-106-4800
TRAINING SET, CHEMICAL AGENT
IDENTIFICATION, SIMULANTS. (M72A1)
1 SET
A/A PACKED
WT. 14 CU. 1.3
LOT NO.



WARNING
OPEN ONLY IN A WELL
VENTILATED AREA. WEAR
A PROTECTIVE MASK AND
GLOVES BEFORE OPENING.
READ ENCLOSED MANUAL
BEFORE USE

CHAPTER 2

OPERATING INSTRUCTIONS

Section I. OPERATION UNDER USUAL CONDITIONS

WARNING

Some chemical agent simulants in this training set are toxic, and some are corrosive. Do not inhale or drink any chemical agent simulants. They can cause sickness or injury.

Always wear facepiece when using this training set. Work in a well ventilated area. Wear gloves when handling bottles or vials of chemical agent simulants. If simulants get on your skin, wash immediately with soap and water.

For specific first aid and medical information, see appendix E.

2-1. UNPACKING

- a. Put on facepiece and gloves.
- b. Remove lever locking ring and lid from shipping and storage container.
- c. Remove and save cardboard packing material and TM.
- d. Remove the three holders and place on flat surface.

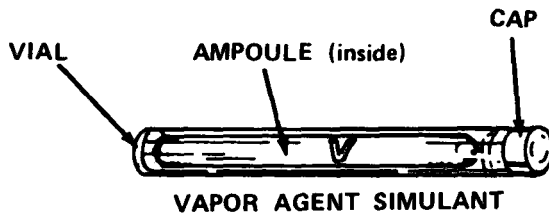
Your SCAITS is now ready for INSPECTING (para 2-2).

2-2. INSPECTING

WARNING

Bottles or ampoules could break during handling. Use care when inspecting to avoid cuts caused by broken glass.

- a. Check the three liquid agent simulant bottles as follows:
 - Be sure caps are on tight.
 - Be sure bottles are not empty or cracked.
 - If any bottles are empty, order a new SCAITS and keep old SCAITS for replacement parts.
 - If bottles are broken, clean SCAITS (para 2-5).
- b. Check vapor agent simulants as follows:
 - Remove and open each box one at a time.
 - Without removing ampoules from vials, check that ampoules are not broken.
 - If ampoules or vials are broken and leakage is suspected, clean the SCAITS (para 2-5).
 - Make sure you have enough vials for next training session.
 - If you do not have enough vials, order a new SCAITS and keep old SCAITS for replacement parts.



2-2. INSPECTING (CONT)

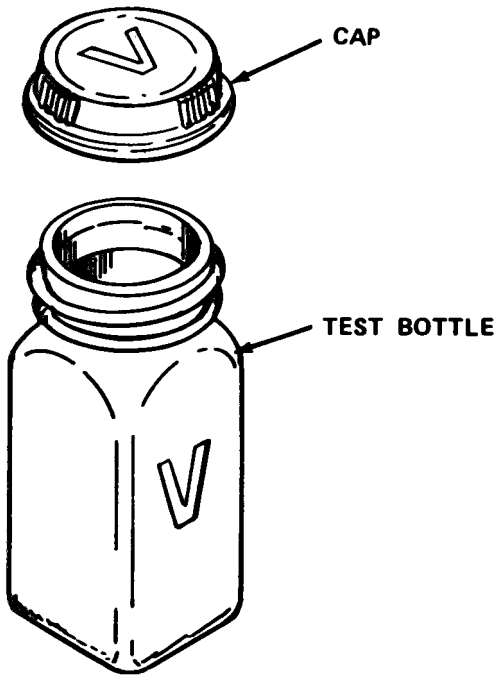
c. Check the eight empty test bottles as follows:

- Ensure each bottle has a cap and is not broken.
- Throw away broken bottles as ordinary trash.
- Replace broken bottles (item 1, app D). You will need all eight bottles for a training session.

NOTE

Replacement bottles from app D do not have agent letter markings on them. When bottles arrive, instructor must mark them as needed with a china marker (item 4, app D).

Your SCAITS is now ready for PREPARING COMPONENTS FOR USE (para 2-3).



2-3. PREPARING COMPONENTS FOR USE

- a. Place holders (with their components still in place) on instruction table or area.

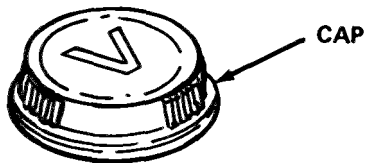
NOTE

You can use these holders as convenient aids to hold components during training.

- b. Remove one vial from each of nine boxes and set aside.
- c. Remove the eight empty test bottles and match each bottle to a vial with the same markings.

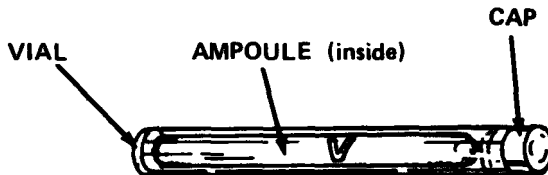
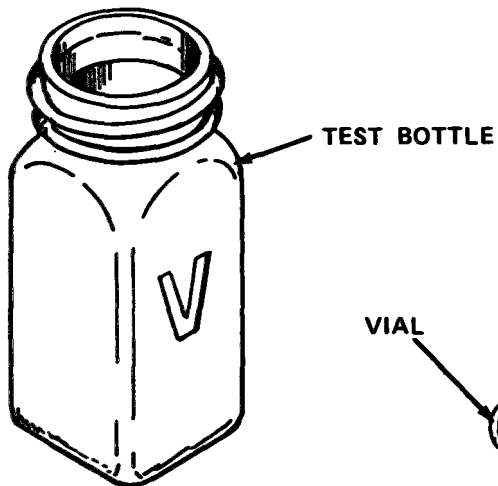
NOTE

Match vials marked CK-1 and CK-2 with test bottle marked CK.



NOTE

VIALS MARKED CK-1 AND CK-2 SHOULD BE MATCHED WITH THE ONE TEST BOTTLE MARKED CK.



2-3. PREPARING COMPONENTS FOR USE (CONT)

d. Remove caps from the eight empty test bottles.

NOTE

When you do steps e, f, and g below, squeeze the CK vials last because this Simulant deteriorates faster than the others.

e. Without removing cap from vials, squeeze one vial to break ampoule inside. Remember you need to squeeze two vials (CK-1 and CK-2) for test bottle CK.

f. Remove cap from vial and drop cap and vial, open end down, into matching empty test bottle.

g. Screw cap back on test bottle.

h. Repeat steps e, f, and g for all vials.

Your SCAITS is now prepared and ready for OPERATION WITH M18A2 DETECTOR KIT (para 2-4).

2-4. OPERATION WITH M18A2 DETECTOR KIT

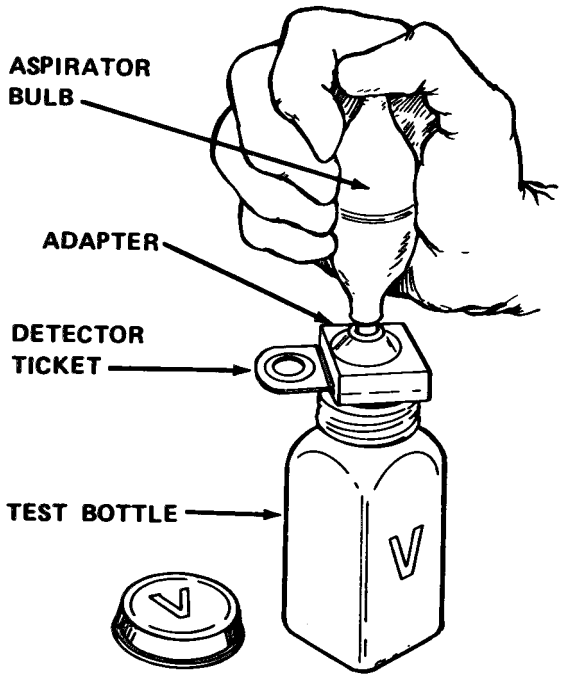
NOTE

- For steps a thru g, if you ever get a wrong color response clean your SCAITS (para 2-5) and then repeat para 2-3 and 2-4.
- Results must be checked by a person who is not color blind.

a. Prepare and insert detector ticket from your detector kit into aspirator bulb and adapter as described in TM 3-6665-254-12, para 2-22c and d (1).

b. Take the prepared test bottle marked V (para 2-3) and collect vapor agent sample as shown here. Replace cap on test bottle immediately after collecting sample.

c. Follow procedures and interpret results as described in TM 3-6665-254-12, para 22d (2) thru (5).



2-4. OPERATION WITH M18A2 DETECTOR KIT (CONT)

d. Snap both ends of a detector tube from detector kit at scorings and insert the unmarked end into the aspirator bulb.

e. Use table to match the detector tube with its correct test bottle. Collect vapor as shown here. Compress the bulb 60 times for each test. Replace cap after sampling.

f. For each test, check table to see if you need to add any reagent from plastic squeeze bottles in detector kit. If reagent needs to be added, add correct amount as shown in table to the unmarked end of the tube.

g. Interpret results as shown in table.

h. Repeat steps d thru g for other six bottles.

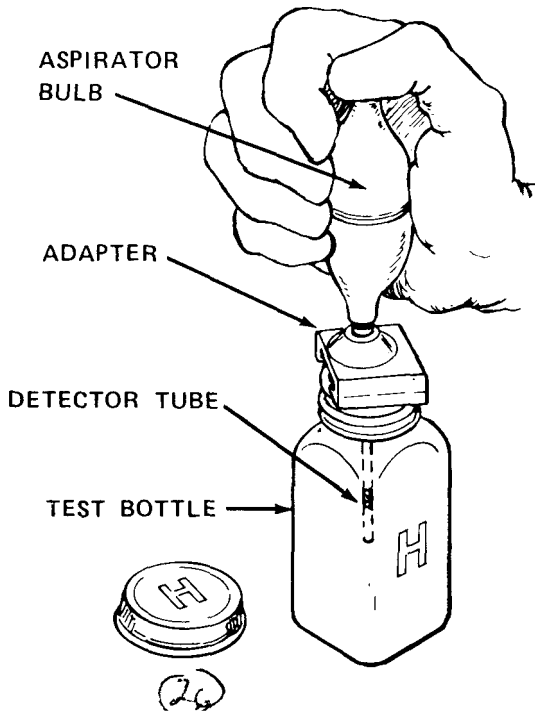


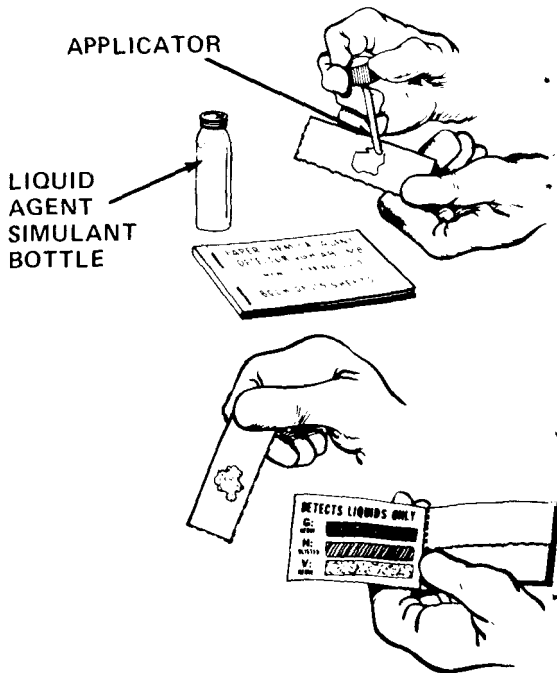
Table. Summary of Detector Tube Test Procedures

<i>Test Bottle</i>	<i>From Detector Kit Use</i>	<i>Plastic Bottle from Detector Kit Add</i>	<i>Color Response</i>
CK	blue-band tube	nothing	after 1 minute yellow/orange
G	blue-band tube	green-marked (1 drop)	yellow
H	blue-band tube	after 2 minutes blue-marked (1 drop)	purple-blue ring
CX	blue-band tube	after 2 minutes blue-marked (1 drop)	red-brown ring
L	yellow-band tube	blue-marked (1 drop) if little or no color	blue-green or blue ring
CG	green-band tube	nothing	green ring
AC	red-band tube	nothing	blue ring

2-4. OPERATION WITH M18A2 DETECTOR KIT (CONT)

i. Using M8 detector paper from your detector kit, collect samples of liquid agent simulant by applying one drop of each simulant to detector paper. Use one sheet of detector paper for each simulant.

j. Compare colors with those shown on inside front cover of detector paper booklet.



Section II. AFTER OPERATION CHECKS AND SERVICES

WARNING

Some Chemical agent simulants in this training set are toxic, and some are corrosive. Do not inhale or drink any chemical agent simulants. They can cause sickness or injury.

Always wear facepiece when using this training set. Work in a well ventilated area. Wear when handling vials or bottles of chemical agent simulants. If simulants get on your skin, wash immediately with soap and water.

For specific first aid and medical information, see appendix E.

2-5. CLEANING

When you have finished using SCAITS for the day, clean as follows:

- a. *Gloves and Facepiece.* Be sure you have gloves and facepiece on.
- b. *Liquid Agent Simulant Bottles.*
 - (1) Fill a pail (item 3, app D) with hot soapy water using detergent (item 2, app D).
 - (2) Ensure that caps are securely tightened on all three bottles.
 - (3) Wash the outside of three bottles in the soapy water.
 - (4) Rinse the outside of bottles and allow to drain dry.
 - (5) Return bottles to holder.

c. *Test Bottles*

(1) Remove cap from one of the test bottles and place the bottle, cap, and contents into soapy water. Repeat for all test bottles.

(2) Let soak for 1 hour.

(3) Prepare a second pail of hot soapy water.

(4) Pour off enough water from first pail into a chemical disposal container until bottles and caps are visible.

2-5. CLEANING (CONT)

WARNING

Contents of pail contain broken glass. Wear gloves and use care removing bottles and caps.

(6) Remove bottles and caps from first pail and place in second pail. Be sure test bottles are empty.

(7) Pour off rest of water and remaining contents from the first pail into the chemical disposal container.

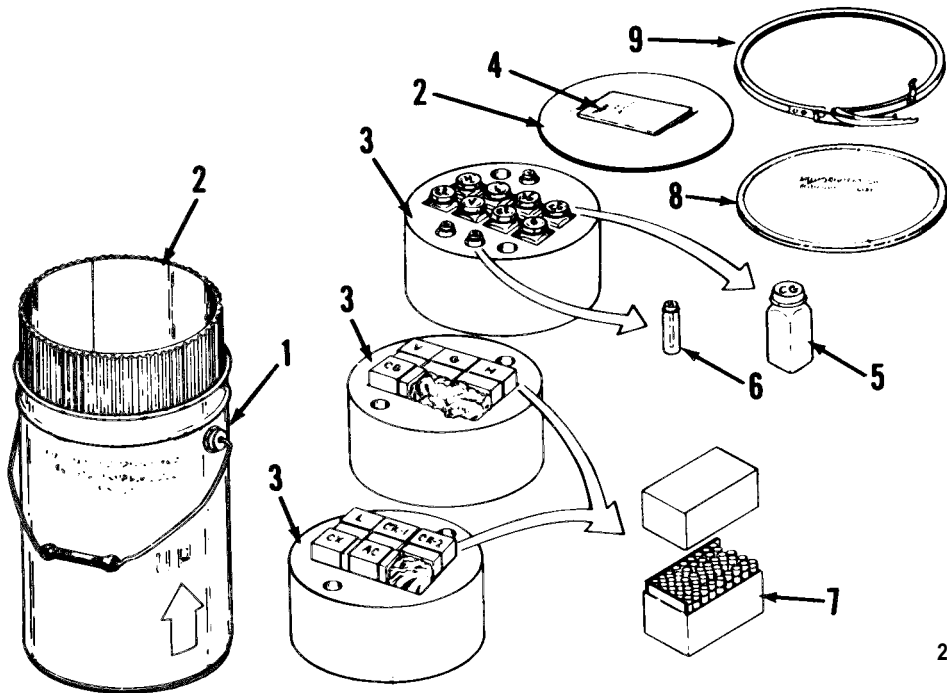
(8) Dispose of contents of the chemical disposal container by burial in a controlled sanitary landfill or burn in an incinerator, taking into consideration strict adherence to all state and local regulations.

(9) Remove bottles and caps from second pail, and rinse empty test bottles and caps thoroughly with clean water.

- (10) Let bottles and caps drain dry.
- (11) Screw caps back on bottles and return to holder.
- (12) Pour rinse water into common drain or on outside ground.
- (13) Rinse both pails with clean water and pour rinse water into a common drain or outside ground.

2-6. STORAGE

- a. Return the nine boxes (7), three liquid agent simulant bottles (6), and eight test bottles (5) to the holders (3).
- b. Return the three holders to shipping container (1) in same manner they were removed (see illustration).
- c. Return cardboard packing material (2) and TM (4) to shipping container.
- d. Place lid (8) on shipping container and install lever locking ring (9).
- e. Store SCAITS at room temperature (50° to 105° F).



2-7. DISPOSAL

- a. Keep any reusable parts of SCAITS for future use.
- b. When SCAITS is no longer needed or is unusable, turn it into your Defense Product Disposal Office (DPDO) for disposal.

APPENDIX A REFERENCES

A-1. SCOPE

This appendix lists all forms, technical manuals, and misc. pubs referenced in this manual.

A-2. FORMS

Quality Deficiency Report SF 368
Recommended Changes to Equipment Publications and Blank Forms DA Form 2028

A-3. TECHNICAL MANUALS

Operator and Organizational Maintenance Manual: Detector Kit,
Chemical Agent, ABC-M18A2 TM 3-6665-254-12

A-4. MISCELLANEOUS PUBLICATIONS

The Army Maintenance Management System (TAMMS)	DA PAM 738-750
Expendable/Durable Items (Except Medical, Class V, Repair Parts, and Heraldic items)	CTA 50-970
Army Medical Department Expendable/Durable Items	CTA 8-100

APPENDIX B

COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS

Section I. INTRODUCTION

B-1. SCOPE

This appendix lists components of end item and basic issue items for the SCAITS to help you inventory items required for safe and efficient operation.

B-2. GENERAL

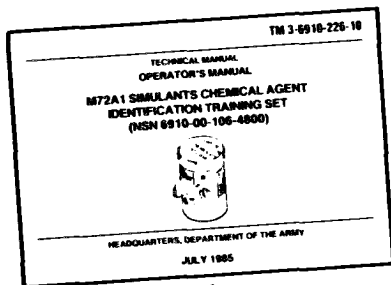
The components of End Item and Basic Issue Items Lists are divided into the following sections:

- a. *Section II. Components of End Item* This section does not apply to the SCAITS
- b. *Section III. Basic Issue Items.* These are the minimum essential items required to place the SCAITS in operation, to operate it, and to perform emergency repairs. Although shipped separately packaged, BII must be with the SCAITS during operation and whenever it is transferred between property accounts. The illustrations will assist you with hard-to-identify items. This manual is your authority to request/requisition replacement BII, based on TOE/MTOE authorization of the end item.

B-3. EXPLANATION OF COLUMNS

The following provides an explanation of columns found in the tabular listings:

- a. *Column (1) - Illustration Number (Illus Number)*. This column indicates the number of the illustration in which the item is shown.
- b. *Column (2) - National Stock Number*. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.
- c. *Column (3) - Description*. Indicates the Federal item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the FSCM followed by the part number.
- d. *Column (4) Unit of Measure (U/M)*. Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in., pr).
- e. *Column (5) - Quantity Required (Qty rqr)*. Indicates the quantity of the item authorized to be used with/on the equipment.



1

Section III. BASIC ISSUE ITEMS

(1) Illus Number	(2) National Stock Number	(3) Description FSCM and Part Number	(4) Usable On Code U/M	(5) Qty rqr
1	TM 3-69 0-226-10	Operator's manual for M72A1 Simulants Chemical Agent Identification and Training Set	EA	1

APPENDIX C

ADDITIONAL AUTHORIZATION LIST

Section I. INTRODUCTION

C-1. SCOPE

This appendix lists additional items you are authorized for the support of the SCAITS

C-2. GENERAL

This list identifies items that do not have to accompany the SCAITS and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

C-3. EXPLANATION OF LISTING

National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you require to support this equipment, The items are listed in alphabetical sequence by item name under the type document (i.e. CTA) which authorizes the items to you.

Section II. ADDITIONAL AUTHORIZATION LIST

(1) National Stock Number	(2) Description FSCM and Part Number	(3) U/M	(4) Qty Auth
<i>CTA AUTHORIZED ITEMS</i>			
8415-00-753-6550	Gloves, Toxicological Agents Protective: (TAP), Size, X-Small (81349) MIL-G-12223	pr	AR
8415-00-753-6551	Gloves, Toxicological Agents Protective: (TAP), Size, Small (81349) MIL-G-12223	pr	AR
8415-00-753-6552	Gloves, Toxicological Agents Protective: (TAP), Size, Medium (81349) MIL-G-12223	pr	AR

(1) National Stock Number	(2) Description FSCM and Part Number	(3) U/M	(4) Qty Auth
8415-00-753-6553	<p style="text-align: center;"><i>CTA AUTHORIZED ITEMS</i></p> Gloves, Toxicological Agents Protective: (TAP), Size, Large (81349)MIL-G-12223	pr	AR
8415-00-753-6554	Gloves, Toxicological Agents Protective: (TAP), Size, X-Large (81349)MIL-G-12223	pr	AR

APPENDIX D

EXPENDABLE/DURABLE SUPPLIES AND MATERIAL LIST

Section I. INTRODUCTION

D-1. SCOPE

This appendix lists expendable supplies and materials you will need to operate and maintain the SCAITS. This listing is for informational purposes only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable/Durable Items (Except Medical, Class V, Repair Parts, and Heraldic Items), or CTA8-100, Army Medical Department Expendable/Durable Items.

D-2. EXPLANATION OF COLUMNS

a. *Column (1)* - Item Number. This number is assigned to the entry in the listing and referenced in the narrative instructions to identify the material (e.g., "Use detergent, item 2, App D").

D-2. EXPLANATION OF COLUMNS (CONT)

b. *Column (2) - Level.* This column identifies the lowest level of maintenance that requires the listed item which is C - Operator/Crew.

c. *Column (3) - National Stock Number.* This is the National Stock Number assigned to the item; use it to request or requisition the item.

d. *Column (4) - Description.* Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number.

e. *Column (5) - Unit of Measure (U/M).* Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in., pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) U/M
1	C	6530-00-112-0152	Test Bottle (81349)MIL-B-37075	ea
2	C	7930-00-282-9699	Detergent, General Purpose (81349)MIL-B-37075	gl
3	C	7240-00-246-1097	Pail, Utility (81348)L-P-65	ea
4	C	7510-00-240-1526	Pencil: China Marker (34147) 173T	ea

APPENDIX E

FIRST AID AND MEDICAL INFORMATION

Section 1. INTRODUCTION

E-1. SCOPE

This appendix lists information which could be useful if anyone accidentally swallows or inhales chemical agent simulants in this training set.

E-2. GENERAL

This appendix is divided into the following sections:

- a. *Section II. Liquid Agent Simulants in Bottles.* This section lists information only for the three liquid agent simulants G, H, and V.
- b. *Section III. Vapor Agent Simulants in Ampoules.* This section lists information only for the nine types of vapor agent simulants.

Section II. LIQUID AGENT SIMULANTS IN BOTTLES

Marking on Bottle	Generic Name	Major Reactions and symptoms of Exposure	Emergency Treatment
G	Mixture of hexylene glycol (13.5 ml) and methoxy ethanol (6.5 ml) (total of 20 ml in bottle).	Mild eye, skin and mucous membrane irritant. Swallowing or inhaling can lead to liver or kidney damage. May cause central nervous system effects such as garbled speech, staggering walk, shaking, and mental confusion.	Remove from exposure. Wash exposed tissues with large amount of water. If swallowed and the individual is conscious, induce vomiting. Provide professional medical attention as soon as possible. Other treatment depends on the amount of exposure.
H	Isoamyl salicylate (20 ml in bottle).	Moderate eye, skin and mucous membrane irritant. Swallowing may lead to salicylate poisoning which appears as mental confusion, neurological symptoms, decreased respiration, and unconsciousness.	Same as for G simulant.

Marking on Bottle	Generic Name	Major Reactions and Symptoms of Exposure	Emergency Treatment
V	Mixture of tetrahydrofurfuryl alcohol (70 gm), N-methylglucamine (16 gm), and diethylene glycol (300 gm). (This is batch proportioned; total of 20 ml in bottle).	Mild eye, skin, and mucous membrane irritant. Swallowing can lead to liver and kidney damage. Prolonged exposure at high concentrations or swallowing may cause central nervous system effects and kidney damage.	Same as for G simulant

Section III. VAPOR AGENT SIMULANTS IN AMPOULES

Marking on Vial	Generic Name	Major Reactions and Symptoms of Exposure	Emergency Treatment
H	Dimethyl sulfate (0.3 ml per ampoule; 15ml total in Set)..	Severe eye, skin, and mucous membrane irritant. Inhaling or swallowing may cause systemic effects hours later. These include headache, giddiness, sensitivity to light, bloodshot eyes, and itching and swelling around the eyes, cheeks, and nose. Individuals may become hoarse or lose their voices. They may also vomit, have shortness of breath, inability to swallow. and diarrhea.	DO NOT INDUCE VOMITING. Flood exposed areas with water. If swallowed give water. Provide professional medical attention as soon as possible.

Marking on Vial	Generic Name	Major Reactions and Symptoms of Exposure	Emergency Treatment
L	Phenyl hydrazine (0.3 ml per ampoule; 15 ml total in set).	Severe eye, skin, and mucous membrane irritant. Other symptoms include headache, dizziness, fatigue, nausea, vomiting, and decreased appetite. Chemical burns and dermatitis may occur with skin involvement.	Induce vomiting. Give moderate quantities of water. Do not induce vomiting if person is drowsy or unconscious. Flood exposed areas with water. Skin should be washed with soap and water. Provide professional medical attention as soon as possible.
G and Cx	One to one mixture of benzoyl chloride and benzene sulfonyl chloride; (0.3 ml per ampoule; 30 ml in set).	Severe eye, skin and mucous membrane irritant. Skin absorption, breathing and swallowing may cause systemic effects. Severe breathing difficulty is most common.	DO NOT INDUCE VOMITING. Remove from exposure. Flood affected areas with water. Provide professional medical attention as soon as possible.

Marking on vial	Generic Name	Major Reactions and Symptoms of Exposure	Emergency Treatment
V	Glacial acetic acid (1.0 ml per ampoule; 50 ml total in set).	Severe eye, skin, and mucous membrane irritant. Swallowing causes extensive damage to the throat and upper gastrointestinal tract.	DO NOT INDUCE VOMITING. Flood exposed areas with water. Give water if the individual is conscious. Provide professional medical attention as soon as possible.
AC and CK-1	Sodium hypochlorite (1.0 ml per ampoule; 100 ml in set).	Moderate eye irritant. Mild skin and mucous membrane irritant. Swallowing usually produces immediate vomiting. May include swelling of throat.	Flood exposed areas with water. Induce vomiting. Provide professional medical attention as soon as possible.

Marking on Vial	Generic Name	Major Reactions and Symptoms of Exposure	Emergency Treatment
CG	Phenyl chloroformate (0.3 ml per ampoule; 15 ml in set).	Moderate eye, skin, and mucous irritant. Systemic effects are unknown.	Same as for AC simulant.
CK-2	Sodium thiocyanate (1.0 ml per ampoule; 50 ml in set).	Moderate eye, skin and mucous membrane irritant, Swallowing usually produces vomiting, extreme excitation, delirium, convulsions, and spasticity. Kidney function may be affected.	Flood exposed areas with water. Induce vomiting if individual is conscious. Provide professional medical attention as soon as possible.

Marking on Vial	Generic Name	Major Reactions and Symptoms of Exposure	Emergency Treatment
<p>NOTE</p> <p>Mixing CK-1 and CK-2 together produces cyanogen chloride</p>	<p>Cyanogen Chloride</p>	<p>Headache, dizziness, unsteady gait, feeling of suffocation, nausea, flushed appearance, irritation of the throat, and possible lung inflammation.</p>	<p>Remove from exposure, get fresh air. Keep victim warm. Give artificial respiration if breathing stops. If available, crush 2 ampoules of amyl nitrite in hollow of hand and hold close to victim's nose. Repeat every 4 to 5 minutes until total of 8 ampoules have been used or normal breathing has resumed. Provide professional medical attention as soon as possible.</p>

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

DONALD J. DELANDRO
Brigadier General, United States Army
The Adjutant General

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**TM 3-6910-226-10 – M72A1 SIMULANTS CHEMICAL
AGENT IDENTIFICATION
TRAINING SET (1985)**

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