



## Chemical Agent Detector Kit, ABC-M18A3

The ABC-M18A2 has been replaced by the ABC-M18A3. Replacement of the M18A2 with the M18A3 consisted of the following changes:

1. The M18A2 contained a plastic belt of 40 detector tickets which have been replaced in the M18A3 by 40 individual detector tickets sealed in foil packets.
2. The M18A2 contained an aerosol substrate dispenser which was necessary to activate the detector ticket.
3. The M18A3 eliminated the need for this dispenser.
4. The new instruction cards reflect these changes.
5. All other components and operating instructions remain the same.

The ABC-M18A3 chemical agent detector kit is designed primarily for detecting dangerous concentrations of vapors, aerosols and liquid droplets of chemical agents listed below. This kit will be used primarily by chemical specialty personnel assigned at organization level. This kit's capability provides for the sampling of unknown NBC agents. If a chemical agent is suspected but cannot be detected with the kit, vapor samples can be collected in sampling tubes for forwarding to a laboratory for identification. The principal uses of the kit are:

- a. For reconnaissance in areas suspected of chemical agent contamination.
- b. For finding the boundaries of contaminated areas.
- c. For determining the absence of a chemical agent so that unmasking following a chemical agent attack can be initiated.
- d. For testing for the presence of a chemical agent after decontamination.
- e. For collecting samples of suspected but unidentified chemical agents.

### AGENTS DETECTED

Agents listed below are detected by the ABC-M18A3 chemical agent detector kit:

Cyanogen Chloride (CK)	Lewisite (L)
Mustards [(H), (HD), (HN), and (HT)]	Ethyl dichloroarsine (ED)
Phosgene oxime (CX)	Methyl dichloroarsine (MD)
Hydrocyanic acid (AC)	Nerve agents (V-and G-agents)
Phosgene (CG)	

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