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Anachemia is a well-known Canadian supplier of chemical warfare detection equipment and protective clothing systems.

Chemical agent water testing kit M272

The chemical agent water testing kit M272 is designed by Anachemia to test for Lewisite, nerve, cyanide and mustard chemical agents which may be present in water. It requires a minimum of training.

The kit consists of:

- a heat-resistant, plastic test container with rubber stopper and connector;
- chemical agent detector tubes banded with blue or red;
- chemical agent test reagents;
- nerve agent test tickets;
- training simulants to demonstrate tests and results to trainees;
- a thermometer;
- waterproof matches and a striking strip;
- a tube holder that fits in the case lid, a clip, extra rubber connectors;
- a plastic-coated instruction sheet.

The nerve agent test requires:

1. wetting the white patch on the ticket using the water sample;
2. clipping it for the time specified;
3. pressing it against the opposite white patch on the ticket. If the patch turns blue no nerve agents are present.

The tests for Lewisite, mustard and cyanide are carried out by:

1. filling the test container with the water sample;
2. adding the indicated reagent;
3. breaking the ends of either the blue-banded or red-banded glass tubes and inserting the tubes into the rubber connector;
4. heating the test container base. This will produce a colour change in the glass tubes which can then be compared with the sample colour chart on the instruction card to determine which agents, if any, are present.



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