



WESTMINSTER

INTERNATIONAL LTD

Telephone : +44 (0)1295 756300

Fax : +44 (0)1295 756302

E-Mail : info@wi-ltd.comWebsite : www.wi-ltd.com

Explosives Detection Identification Field Test Kit



A unique, aerosol-based field test kit for the detection and identification of group-A explosives (TNT, TNB, etc.), group-B explosives (Semtex, RDX, C-4, etc.) and compounds containing inorganic nitrates that are used in improvised explosives (e.g. ANFO).

Commonly used as a pre-blast, analytical tool, post-blast investigative tool, a screening tool against potential terrorist elements, and as a technical evaluation test in soil remediation on hazardous material clean-up sites. The level of sensitivity (20 nanograms) surpasses that of other currently available products.

The testing process is fast and efficient, requiring no glass ampoules, spatulas or waiting period; the results appear in seconds, no additional tools or equipment required. The identification/detection process requires no special training and testing can be performed on the spot.

Expray is sold in a kit configuration, which provides all three aerosol sprays, collection papers, and an RDX-impregnated verification pad (the verification pad is useful for ensuring that the spray-can still contains active reagents, and for demonstrating how a positive reaction will appear), in a convenient plastic carry case.

Expray Capabilities

- Nitro Aromatic
- Nitro Esters
- Nitramines
- Inorganic Nitrates
- Urea Nitrate
- Ammonium Nitrate
- Chlorates
- Bromates
- Peroxide-based components
- Perchlorates

Expray Kit Options

- Expray Master Kit Reg
- Expray Master Mini
- Expray Plus Reg
- Expray Plus Mini
- Expray Reg
- Expray Mini

Expray-1 for Group-A:

Expray-1 is used to search for group-A explosives which include TNT, Tetryl, TNB, DNT, Picric Acid and its salts.

To use, wipe suspected surface with the special collector test paper and spray with Expray-1. If a dark brown-violet colour appears, this indicates the presence of TNT; an orange colour indicates the presence of Tetryl and other group-A explosives.

Expray-2 for Group-B:

Expray-2 is used to search for group-B explosives which include Dynamite, Nitroglycerine, RDX, PETN, Semtex, Nitrocellulose and smokeless powder. If after spraying expray-1 there is no colour change, then apply expray-2. The almost immediate appearance of a pink colour change indicates the presence of group-B explosives. Most types of plastic explosive belong to this group, including C-4 and Semtex.

Expray-3 or Nitrates:

Expray-3 is used to search for nitrate-based explosives, which include ANFO (Ammonium nitrate-fuel oil), commercial and improvised explosives based on inorganic nitrates, black powder, flash powder, gun powder, Potassium chlorate and nitrate, Sulphur (powder), and Ammonium nitrate.

If there is still no reaction after using the Expray cans 1 and 2, but the presence of explosives is still suspected, spray the same paper with Expray-3.

A pink reaction indicates the presence of nitrates, which could be part of an Improvised Explosive Device (I.E.D.).