







# WG Explosives Detection Identification Field Test Kit

Product Code: 2040-13



## Key Features

-  **Portable Field Explosives Detection Kit**
-  **Testing Results in Seconds**
-  **Detects Group A & B Explosives**
-  **Detects Inorganic Nitrates In Improvised Explosives**
-  **Sensitivity Level of 20 Nanograms**
-  **Easy to Use, Requires No Special Training**



## Overview

The WG Explosives Detection Identification Field Test is 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 i.e., ANFO.

It can be 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 many other currently available similar products.

It's 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.

## Features

Portable Explosives Detection Kit

Results of Test In Seconds

Detects Group A & B Explosives

Detects Inorganic Nitrates In Improvised Explosives

Ruggedised Carry Case

Easy To Use, Requires No Special Training.

# WG Explosives Detection Identification Field Test Kit



**WESTMINSTER**  
GROUP PLC

## Applications

- Borders
- Correctional Facilities, Prisons
- Forensic Investigation
- Military
- Police

## Detection Capabilities

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

## Kit Options

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

## Using Explosives Detection Kit

### Expray 1 for Group A Explosives

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, Nitro-glycerine, 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 for 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 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.