



BRSInnovations

DropEx

Explosive Detection And Identification

DropEx detects the widest possible range of explosive types, due to its ability to detect the additional explosive categories for improvised explosives: Chlorate and Peroxide-based explosives.

Peroxide-based explosives are powerful explosive substances that can be prepared from several over the counter materials. This well-known explosive type is currently in used by terrorist groups. This explosive material is usually known by its abbreviation TATP (Tri Acetone Tri Peroxide)

DropEx Plus uses the same reagents as Expray, but in dropper bottles, for ease of use during field and laboratory investigation.

FEATURES:

- ▶ Detects trace explosive residues
- ▶ Multi-use
- ▶ Available in Regular, Mini, and Plus Sized Kits

DETECTION RANGE

- ▶ **DropEx 1:** for Group A (Nitroaromatics) - this type of explosives includes TNT, Tetryl, TNB, DNT, picric acid and its salt.
- ▶ **DropEx 2:** for Group B (Nitrate esters and nitramines) - this type of explosive includes Dynamite, Nitroglycerine, RDX, C4, PETN, Semtex H, Nitrocellulose, and Smokeless Powder. Note - Most plastic type explosives belong to this group.
- ▶ **DropEx 3:** for Inorganic Nitrates. The nitrates based explosives include ANFO (Ammonium Nitrate-Fuel Oil), commercial and improvised explosives based on Inorganic Nitrates, Black Powder, Flash Powder, Gun Powder, Potassium Nitrate, and Ammonium Nitrate.
- ▶ **DropEx U:** for the detection of urea compounds.
- ▶ **DropEx A:** for Chlorates and Bromates. This type of explosives includes potassium chlorate and sodium chlorate.
- ▶ **DropEx B:** for Peroxide-based explosive compounds, includes TATP (Tri Acetone Tri Peroxide) and HMTD.

CAPABILITIES

- ▶ Nitro Aromatic (*TNT, DNT, Picric Acid, Tetryl*)
- ▶ Nitro Esters (*Nitroglycerine, Smokeless Powder, PETN*)
- ▶ Nitramines (*RDX, Semtex*)
- ▶ Inorganic Nitrates (*ANFO, Black Powder*)
- ▶ Urea Nitrate
- ▶ Ammonium Nitrate



APPLICATIONS

- ▶ EOD Operations
- ▶ K-9 Units
- ▶ Post Blast Analysis
- ▶ Airport Security
- ▶ Perimeter Security
- ▶ Border Protection
- ▶ Protecting Critical Infrastructures

