

# DRY EXPLOSIVE TEST KIT (DETK)



SPECIFICATION SHEET  
 DRY EXPLOSIVE TEST KIT (DETK)  
 PART No: BBIDETK

## DRY EXPLOSIVE TEST KIT (DETK)

In an uncertain world with increased volatility, our aviation, military, police, postal, and security organizations require instant, foolproof methods for the detection of explosives and explosive materials.

The Dry Explosive Test Kit (DETK) is a single use colorimetric-based test kit for the presumptive identification of military grade explosives and precursors used in manufacture of improvised explosives, which may be concealed in shipments through border controlled check points, or used in suicide and terrorist plots.

The DETK is a cost effective, rapid and reliable technology.

| Test | Explosive Chemical                                  | Detection Limit |
|------|---|-----------------|
| A    | Chlorate, e.g. potassium chlorate                   | 7.5µg           |
| A    | Hydrogen peroxide, e.g. TATP / HMTD/MEKP            | 10µg            |
| B    | Nitrates, e.g. potassium nitrate / ammonium nitrate | 1µg             |
| B    | Nitrates, e.g. urea nitrate                         | 5µg             |
| B    | Nitramines, e.g. PETN / RDX                         | 3µg             |
| B    | Nitrate esters, e.g. nitroglycerin                  | 1µg             |
| C    | Nitroaromatics, e.g. TNT, DNT, Tetryl               | 10µg            |

### KEY FEATURES

- + The DETK is the only kit of its type with the ability to detect such an extensive range of explosive residues in one single test.
- + Rapid results.
- + Portability - Each DETK weighs only 0.02 grams and fits in a shirt pocket or wallet. A test kit carry case is available separately,
- + Kits contain no hazardous or corrosive liquids and no glass vials.
- + No power requirements.
- + Independently tested and verified by UK Home Office.
- + Shelf life of up to 2 years.



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# LIQUID EXPLOSIVE TEST KIT (LETK)



SPECIFICATION SHEET  
LIQUID EXPLOSIVE TEST KIT (LETK)  
PART No: BBILETK

## LIQUID EXPLOSIVE TEST KIT (LETK)

The Liquid Explosive Test Kit (LETK) is a colorimetric-based test kit for detecting liquid explosive residues found in liquids, aerosols, gels and creams. The LETK is a cost effective, rapid and reliable technology designed for presumptive identification of concealable liquid threat materials. No other device detects such a wide variety of materials at low cost in a single test.

The Liquid Explosive Test Kit simply contains one sterile swab stick and one test card— no messing with glass vials, multiple tests or hazardous or corrosive liquids. Each test strip contains tests for pH, volatile organic compounds, nitrogen compounds, and peroxides.

The LETK is capable of detecting precursors of clandestine explosive manufacture such as materials used in improvised liquid explosive mixtures Tri-Acetone Tri-Peroxide (TATP), Hexa Methylene Triperoxide Diamine (HMTD), and Methyl Ethyl Ketone Peroxides (MEKP).

In extensive trials conducted by the European Commission/ECAC, the LETK achieved 100% detection of liquid threat items with a false alarm rate of less than 1%.

The kits detect liquid explosive chemicals instantly, accurately, and affordably and are ideal for civil aviation, military, police, customs, and any other security or safety applications.

### ■ KEY FEATURES

- + The LETK is the only kit of its type to identify multiple hazardous fluids in one simple test including: All liquid precursors for TATP and HMTD Synthesis, Nitromethane, Hydrazine, Nitro-glycerine, Fuels, and Precursor solvents.
- + Rapid results.
- + Portability - Each LETK weighs only 0.02 grams and fits in a shirt pocket or wallet. A test kit carry case is available separately.
- + Kits contain no hazardous or corrosive liquids and no glass vials.
- + No power requirements.
- + Shelf life of up to 2 years.
- + ECAC Certified.



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ART LETK/DETK 01

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