

E.L.I.T.E.™ EL300EXO Detection Kit

Trace detection of commercial, military and home made explosives

E.L.I.T.E.™ kits are self-contained, rugged, can be carried in a shirt pocket, and detect a broad range of explosives in solid, liquid, and vapor forms at trace or bulk levels. All of the E.L.I.T.E.™ explosives detection kits have three year shelf life under extreme conditions.



ELITE™ Applications - these kits are used around the world by elite special forces, law enforcement, border security and commercial security teams in applications such as:

- Technical exploitation
- Temporary checkpoints
- HUMINT (intelligence)
- VIP clearance sweeps
- Post-blast investigation
- Maritime (boarding & security screening)



EL300EXO is completely self contained - it requires no external heating source, sample collection method, or other accessories. Each test can be carried in a shirt pocket. It can be shipped in individual plastic boxes or shipped several or many in a single case.

	Explosives & Precursors including:	EL300
Nitroaromatics	TNT, DNT, TATB, picric acid, tetryl...	✓
Nitroaliphatics	RDX, HMX, nitroglycerin, PETN...	✓
Nitrates	ammonium nitrate, urea nitrate, black powder...	✓
Chlorates	potassium chlorate, chlorate/fuel, Poor Man's C4...	✓
Peroxides	H ₂ O ₂ , TATP, MEKP, HMTD...	✓



A single swab collects the sample for all of the explosives groups





All of the E.L.I.T.E.™ detection kits are perhaps the most convenient test kits on the market - simple and reliable yet with excellent sensitivity to broad range of explosives and very low false positive rates. For these reasons, E.L.I.T.E.™ test kits are used by elite military, police, and security services worldwide.

E.L.I.T.E.™ enhanced colorimetric chemistry is unique, giving the user easily discernible colors and false-positive rates lower than other currently available test kits, instruments and even K-9s. There are no known false-negatives.

E.L.I.T.E.™ doesn't require an instrument to read the result and since any color change indicates a positive for explosives or a precursor chemical the color chart is only for reference. A digital camera records the result, the kit serial number, date, time, GPS location and other information. Trace explosive detection in your pocket.



EL300EXO in its plastic case



E.L.I.T.E.™ EL300-EXO Quick Operating Instructions
www.fieldforensics.com

The EL300-EXO is a "colorimetric" test kit. By "colorimetric" we mean that the kit provides a color change in response to explosives - the color changes are detectable by the human eye.

1. Don Gloves to prevent cross contamination.
2. Open EL300-EXO pouch and remove EL300-EXO.
3. Remove SWAB from BODY - (do not touch the white sampling are of the swab even with gloved fingers)
4. Rub SWAB, face down, on the surface to be sampled.
5. Re-insert the SWAB, face up, into the BODY by sliding the SWAB under the plastic tabs. (Do not remove the SWAB again during this procedure.)
6. Crack BOTH ampoules at the SAME TIME with one push of your thumbs.
7. Wait up to 30 seconds for a color change. If you see a color change, compare to color chart below. If no color change, proceed to next step.
8. Pull the plastic "PULL" tab upward away from the top of the EL300-EXO. There will be a noticeable "click" when the tab is pulled to it's extent.
9. Wait up to 1 minute for color change. If a blue color is observed, a peroxide is present. If no color, end procedure.

E.L.I.T.E. EL300-EXO COLOR CHART

EXPLOSIVES & PRECURSORS	Color	Example
TNT	Blue	
2,4-DNT	Green	
2-A-4,6-DNT	Yellow	
2-Nitrotoluene	Purple	
4-Nitrotoluene	Orange	
Picric Acid	Red	
Tetryl	Blue	
1, 3-Dinitrobenzene	Blue	
Nitro-aliphatic (PETN, RDX, HMX, etc.)	Blue	
Inorganic Nitrate (AN, ANFO, etc.)	Blue	
Chlorate, Bromate	Blue	
Sodium Hypochlorite	Blue	
Calcium Hypochlorite	Blue	

With Heat

Peroxide (TATP, HMTD, MEKP, etc.)	Blue	
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*a purple-blue and/or an orange/peach color may appear
 **green color may be surrounded by yellow

Irritant:
 Avoid contact of liquids with eyes and mucous membranes.

2018 April Rev. 3



Model EL1002 Field Kit

The EL300EXO can be shipped individually contained in rigs plastic or in a simple aluminized pouch. The plastic case provides a bit more protection and can also be re-used or re-cycled.

E.L.I.T.E.™ ORDERING INFORMATION:

EL1001 Field Kit = includes 10x EL100*, 10x EL200, Field Guide, Battery-Powered Heater, Lighter, Marker Pen, Gloves, Battery Re-Charger, all in a hard-sided case.

EL1002 Field Kit = includes 10x EL100*, 10x EL200, Field Guide, Battery-Powered Heater, Lighter, Marker Pen, Gloves, Battery Re-Charger, all in soft-sided, rugged bag that can be strapped to gear or carried by a shoulder strap.

EL1003 Field Kit = includes 10x EL100*, Field Guide, Batter-Powered Heater, Lighter, Marker Pen, Gloves, Battery Re-Charger, all in soft-sided, rugged pouch that can be strapped to gear or worn on a belt.

EL100-BX = one box of EL100 (ten per box). **EL100EXO-BX** = one box of EL100EXO.

EL200-BX = one box of EL200 (ten per box).

EL300-BX = one box of EL300 (ten per box). **EL300EXO-BX** = one box of EL300EXO (ten per box)

