



FIELD FORENSICS

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E.L.I.T.E.™ Explosives Detection Kits

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. E.L.I.T.E.™ tests for peroxide, chlorate and perchlorate in liquid, vapor or solid form and can even detect peroxide-based explosives such as TATP when it is stored or hidden under alcohol.



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 interdiction (boarding)



Below are the categories of explosives and precursor chemicals detected by each of the products, EL100, EL200 and EL300. Note that the EL200 can also detect peroxides, chlorates and perchlorate in vapors.

Explosive	Examples	EL100	EL200	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...		✓	✓
Perchlorates	Flash powders, ammonium perchlorate, lead perchlorate...		✓	

Since many of the chlorate, perchlorate and peroxide-based explosives are friction and static sensitive, the Model EL200 has a pen-like design to give operators additional finger protection should there be a detonation while sampling visible quantities of these explosives.





Both the EL100 and the EL300 have a heating step - we've made this easy. There is an automatic battery-powered heater, EL100-BPH, which uses a NiMH battery so there are no air-transport problems. There is also a heating jig, EL100-BLH, with which the user can use a cigarette lighter to do the heating instead of the battery-powered heater. There are even versions of the EL100 and the EL300 that have built-in disposable heaters; these are models EL100EXO and EL300EXO; no external heating source is required.

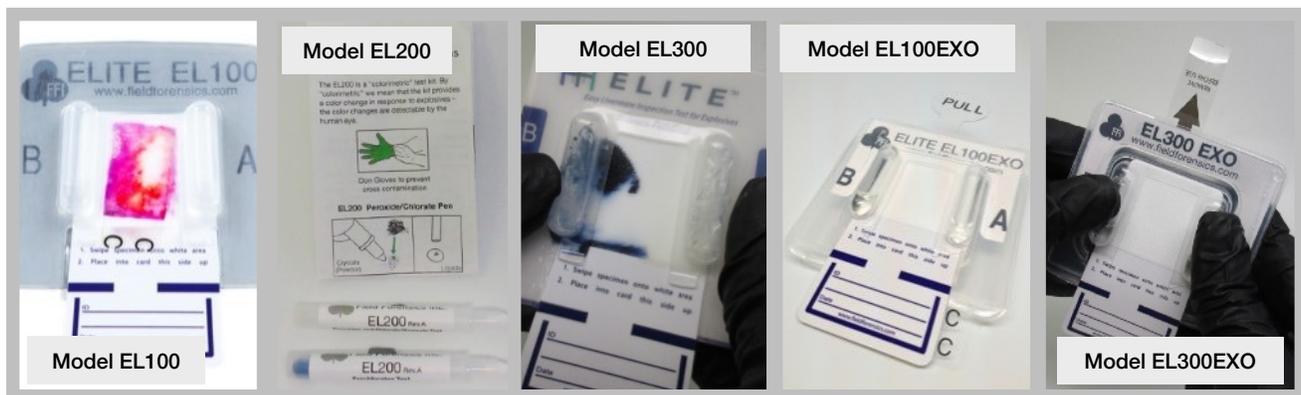
All of the E.L.I.T.E.™ detection kits are perhaps the most convenient test kits on the market - simple and reliable yet with excellent sensitivity to broad range of explosives and very low false positive rates. For these reasons, E.L.I.T.E.™ test kits are used by elite military, police, and security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



Automatic Heater
EL100-BPH
(with EL100)



SOME 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, Battery-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)



Model EL1002 Field Kit

*EL300 can be substituted for EL100 in the field kits. For more information please see data sheet: DS2019_ELITE_FieldKits

