



WE MAKE TECHNOLOGY TO RAPIDLY DETECT AND MANAGE
NUCLEAR THREATS. OUR PRODUCTS SHOW IMMEDIATE COLOR
CHANGE WHEN IN CONTACT WITH NUCLEAR MATERIALS.

RELIABLE, FAST, RADIONUCLIDE DETECTION

Codeac Solutions is a technology company which developed its unique nuclear threat detection product within a United States National Lab. Our technology is:

- Designed for everyone
- Low cost and accessible
- Identifies source radionuclides at trace level
- No power (no electromagnetic signature)
- No maintenance
- Immediate results, no waiting
- Definitive results and minimal training required



Our unique proprietary technology provides the capability to detect nuclear threats using a variety of applications.

On-site detection

Definitive results



Immediate visual color change when in contact with Uranium, Plutonium, Americium, Cobalt and Primary Transition Metals. We offer a variety of applications for instant and accurate results.



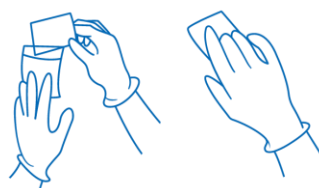
Simple and easy-to-use colorimetric nuclear detection

1



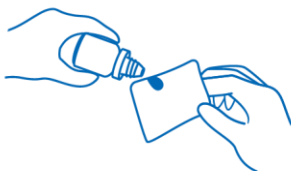
Wear appropriate PPE

2



Remove Dry Surface Wipe and collect a sample from the area suspected of contamination.

3



Apply Codeac Liquid Solution to the Dry Surface Wipe until the Wipe is saturated to the edges.

4



Allow 60 seconds for results and use the Color Standard to identify any colorimetric change or transition. A color change indicates a detection.



DESIGNED FOR DEFENSE AND SECURITY STAKEHOLDERS

- CBRNe commanders and operators
- Military - general and special forces across all services
- First responders - fire, rescue and emergency response organisations
- Law enforcement - police, border security and forensic authorities
- Civil protection - public health, national resilience and response authorities
- Critical infrastructure - environmental monitoring and protection

OUR CAPABILITIES

We are continuously enhancing our capabilities through ongoing development. In addition to Uranium, Plutonium, Americium, Cobalt and Transition Metals we are continuing research in a range of variants. We provide comprehensive field kits tailored to your specific needs, which includes either a 30 ml bottle/single use-ampoules, wet wipes or water tests.



30 ml bottle



Single Use Test



Single Wet Wipe



Water Test



Technical specification:

Codeac Solutions Field Kit (30 ml bottle)

A compact, ruggedized and highly portable detection kit which is designed to hold all components for testing that is compatible with existing uniforms, pouches, load bearing equipment or small bags (MOLLE). Available in khaki, black and coyote brown.

Detection capability	Uranium, Plutonium, Americium and Cobalt e.g. U-233, U-234, U-235, U-236, U-238, Pu-239, Pu-241, Pu-242, Am-241, Am-243, Co-60
Detection principle	Colormetric elemental detection
Sensitivity	Uranium - 10ppm Plutonium - 1.6ppt Americium - 2.4ppm Cobalt - 2.2ppm
Dimensions (approx.)	14x18x4cm (5.5"x7"x1.5")
Weight (approx.)	550grams (1.1lb)
Color	Black, Khaki or Coyote Brown
Amounts of tests	15
Response time	Under 1 minute
Contents	30ml (1 oz) Codeac Uranium, Plutonium, Americium and Cobalt Detection Solution 15x dry surface wipes with sample identification bags 4x pairs of disposable gloves 5x disposal waste bags 1x permanent marker 1x instruction card including color change guide 1x Molle Pouch (Black, Khaki or Coyote Brown)
Available accessories	Replenishment kits available
Sample introduction	Liquid and solid
Transportability	Pocket size
Calibration	Not required
Expiration	2 years
Power supply	Not required
Training required	Not required
Maintenance cost	Nil
Manuals available	Laminated Instruction Card, Safety Data Sheet and Safe Work Procedure provided

Products are subject to availability. Company reserves the rights from time to time, in its sole discretion and without liability to change, add or withdraw Products.