HazCat 2.0 PRO

GENERAL DESCRIPTION:

All-in-one CBRNE detection and classification kit for; Industrial Chemicals, Narcotics, WMD's, Explosives and Radiological. *Also include Alexeter RAID™ 8 immunoassay for Biological substance detection. Designed for field use by first responders with limited to no chemical background.

TECHNICAL DESCRIPTION:

The HazCat® 2.0 PRO Kit uses a liquid or solid algorithm chart (flow chart) and step-by-step instructions, utilizing reagent technology and panels of chemical and biochemical assays to identify unknown substances. The kit is specifically designed for the detection and classification of nuclear, explosive, industrial chemical, narcotics and biological potentials utilizing immunoassays for the detection of anthrax, plague, tularemia, brucellosis, smallpox, SEB, botulinum toxin, and ricin toxin, as well as screens for non-biological materials and pesticides.

CONTACT INFORMATION

HazTech Systems, Inc.
PO Box 929
Mariposa, CA 95338
Will Johnson
Tel: 800-543-5487
Email: wjohnson@hazcat.com
www.hazcat.com

COST

System:
- HazCat KT2011 2.0 - $3,970.00
- HazCat KT7003 2.0 PRO - $6,283.00

Analysis:
- Approx. cost per test is less than $.20

Tier Selection

Final tier assignment is based on overall product score.

Top Tier Second Tier Third Tier Fourth Tier Bottom Tier

RANKINGS

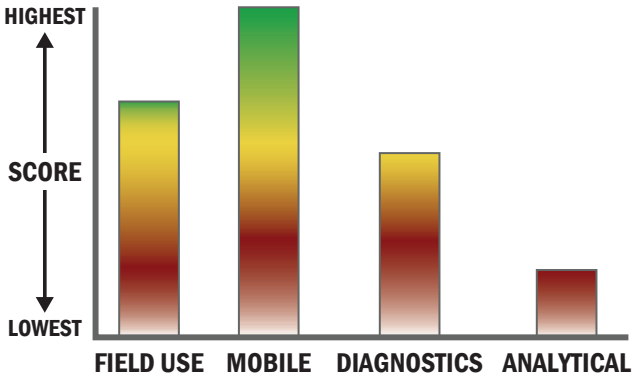
	Biological	Chemical	Radiological
FIELD USE System	Third Tier	Fourth Tier	Bottom Tier
MOBILE Laboratory	Bottom Tier	Fourth Tier	Fourth Tier
DIAGNOSTIC Laboratory	Bottom Tier	Fourth Tier	Fourth Tier
ANALYTICAL Laboratory	Bottom Tier	Fourth Tier	Fourth Tier

Survey Source

Vendor Supplied Information

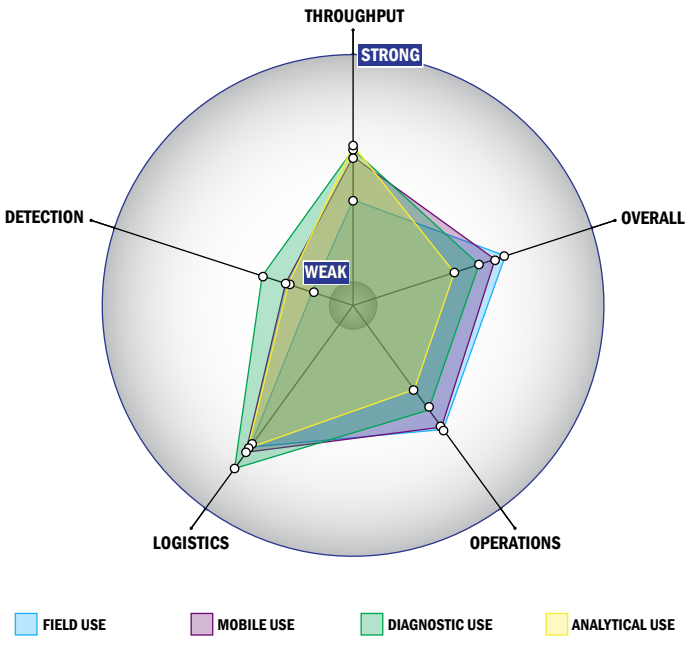
Scoring Analysis

System scores are compared across the four scenarios and ranked from highest to lowest.



Impact Chart

The Impact Chart is a spider graph representing specific categories and designed to give the reader a visual depiction of how a particular system is expected to operate across the four different scenarios. The score for each of the seven categories is presented as the percentage of the total possible score. Higher category scores extend the spokes of a graphic toward the outer edge of the chart. The area graphed for each of the four scenarios relates to how well the system performed in that scenario. Graphics for each of the four scenarios are super-imposed for ease of comparison.



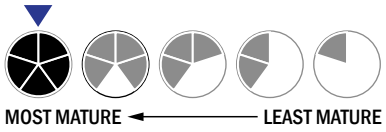
Evaluation Criteria

Throughput:

- Between 2 and 15 minutes for detection
- Continuous operation with no defined runs
- System is continuous and provides real time analysis
- The system or approach is not amenable to full or semi-automation
- Device or system is intended for multiple detection assays
- 5 or more solutions, buffer, eluents, and/or reagents
- 5 or more components

Logistics:

- More than a day of training and significant technical skills are required
- Approximately the size of a carry-on luggage suitcase
- Between 5 and 25 kg
- This system is not capable of transmitting data
- System or device uses batteries
- 4–8 Hours battery life



Operations:

- Can be used from < -21 °C to > 42 °C (All temperatures)
- Components must be stored at room temperature (27 °C)
- Performance is not influenced by relative humidity
- Greater than 3 years shelf life
- 5-10 years expected life
- Results can be viewed in real-time
- The system is not capable of autonomy
- The system does not employ any software
- The system is single use or this question does not apply to this device

Detection:

- Possible the system could receive 510K clearance
- Possible the system could receive FDA approval
- System can identify liquid chemical agents
- Only count rate
- This system does not measure dose rate
- Down to background level radiation, expressed in cpm or similar units
- System is used for personnel detection