

Law Enforcement

A Quick Reference for Special Operations Involving CBRN and Clandestine Lab Responses

The law enforcement community has seen a dramatic change in the nature of their roles and responsibilities over the last 10 years. Local, state and regional law enforcement teams have expanded their roles to include responses to potential acts of terrorism involving chemical, biological, radiological and nuclear agents — as well as responses involving the manufacture of illicit drugs made from toxic chemicals.

This convenient guide highlights core personal protective equipment and instrumentation that law enforcement officers need. The products shown make up a small part of our emergency response and occupational safety offering — a portfolio of more than 75,000 items from over 1000 leading suppliers. Visit our dedicated first responder website at www.fishersafety.com for a comprehensive listing.

CRIME

CRIME SCENE

CRIME SCENE

Chemical and CBRN Protection



A

Lion* ERS – Extended Response Suit

- Provides protection against NFPA 1994, Class 3 TICs, TIMs and CWAs
- Extends mission time due to breathable membrane
- One-piece coverall with attached Gore* glove liners and booties requires no taping
- Premium glove system with Nomex* outer glove for optimal dexterity and durability
- Air-tight zipper keeps both liquid and vapors out
- Long shelf life, non-carbon-based technology
- Certified to NFPA 1994, Class 3 standard (2007 Edition)

Lion* MT94* Multi-Threat CBRN Garment

- Provides vapor, liquid and FR protection for chem/bio incidents
- Guards against exposure to hazardous waste, drug labs, biological threats and domestic terrorism agents
- Lightweight design delivers optimum comfort and freedom of movement; yet performs in the most challenging circumstances
- Rugged GORE* CHEMPAK* Ultra Barrier fabric features lightweight high-strength PTFE film sandwiched within DuPont* Nomex* outer and inner layers
- Reusable for multiple wears and washings (if not exposed or contaminated)
- Certified for use with Gore G9492 gloves and OnGuard Hazmax 87012 boots
- Hook and loop belt loops hold equipment belt securely
- ID patches on chest and shoulders for hook and loop mounted badges
- Roomy thigh pockets
- Hook and loop wrist and leg cuff adjustments for secure fit
- Navy or tan color
- NTOA member tested and recommended
- Certified to meet NFPA 1994/Class 2 and NFPA 1992



B



C

DuPont* Tychem* ThermoPro* Coverall

- Provides chemical, flash fire and electric arc protection
- Combines the chemical protection of Tychem with the flame and arc flash protection of Nomex*
- Single-layer garment provides permeation protection against a broad range of toxic industrial chemicals and chemical-warfare agents
- Provides at least eight hour barrier to 20 of the 21 chemicals found in ASTM F1001
- Zipper front with Velcro* double storm flaps fastened by flame-resistant treated polyamide hook-and-loop material
- Elasticized wrists and ankles
- Attached respirator-fit drawstring hood with socks and boot flaps
- Arc rating: 15.2cm/cm²
- Basis weight: 841 oz./yd.²
- Thickness: 34mil
- Meets NFPA 1992 Standard on Liquid-Splash Protective Ensembles and Clothing for Hazardous Materials Emergencies (2005 ed.), NFPA 2112 Standards on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire (2007 ed.)
- Exceeds Hazard Risk Category 2 requirement of 8 cal/cm² outlined in NFPA 70E Standard for Electrical Safety in the Workplace (2009 ed.) with a 15.2 cal/cm² Ebt arc rating determined using ASTM F1959 and following special test requirements outlined in ASTM F1891

A	Lion ERS Extended Response Suit	19-813-191
B	Lion MT94 Multi-Threat CBRN Garment	19-813-181
C	DuPont Tychem ThermoPro Coverall	19-101-337

Catalog numbers shown are representative items from each product family listed — see www.fishersafety.com for additional details.

Chemical and CBRN Protection (contd.)

Scott* 4.5 Swat-Pak* SCBA

- Designed specifically for law enforcement and special operations units
- All-black design for stealth operations
- Silent advantage—does not include flashing, ringing or whistling alarms; reflective labeling or fabric; or shiny hardware
- Redundant pressure reducer with automatic backup
- Tactile feel end-of-service indicator (EOSI)
- AV-2000* facepiece with ComfortSeal
- Quick-Connect CBRN regulator
- RIC/UAC fitting
- Black Nomex* tactical hood attaches to AV200 facepiece
- Black hardware and cylinder bag
- Interfaces with all Scott communications
- Comes with soft carrying case
- **Note:** Does not include cylinder



A

Scott* C420 Powered Air-Purifying Respirator

- For hostile or extended-wear conditions
- Sleek, low-profile design won't hinder entrance or egress
- Belt-mounted motor blower assembly forces ambient air through canisters via flexible EPDM rubber tubing to facepiece
- Shielded motor (according to Mil STD 461C) will not interfere with radio communications
- Detachable parts make decon against NBC agents and TIC easy
- Blower has a 3000-hour life
- Tight-fitting AV-2000* facepiece with easy-to-don Kevlar* headnet
- Lithium sulfur dioxide battery provides up to 10 hours of service
- Ten-year shelf life (in original package)
- Airflow rates (4cfm) meet Mil-Spec and NIOSH requirements and remain constant throughout
- Weight: 5.25 lb.



B

Onguard* Hazmax* Knee Boots

- Steel toe with full steel midsoles and ladder shanks
- Kick-off lug
- Green uppers with yellow Ultragrip* outsoles
- Three-layer comfort insoles
- Available in black (special order)



C

Physiological Monitoring

Zephyr* PSM Responder Monitoring System



D

- Physiological Status Monitoring (PSM) provides real-time visibility into the physical status of personnel (up to 64 individuals simultaneously) operating in extreme environments (EOD, SWAT, CBRN and HazMat)
- Measures critical vital signs (ECG, heart rate, breathing rate, skin temperature)
- Uses an individual's physical activity and posture and interprets the signals to determine fatigue, dehydration, anxiety or injury
- Summarizes and delivers meaningful, actionable, concise data ROG (Red/Orange/Green display) to incident commander and safety officer
- Uses existing radio systems (Motorola* XTS Series 1500, 2500 or 5000; and APX series)

PSM Responder Core System Components:

- BioHarness sensor consisting of a "smart fabric" strap or shirt that measures vital signs, activity and posture, and calculates ROG status
- Radio Interface Device permits communication with existing systems; simple and cost effective to install
- OmniSense* Software features three modes: LIVE simultaneously PSM status of 64 individuals via BioGauge and ROG display; CONFIG permits user to add personnel and their statistics to the system; and analysis allows for post-incident review for effective training and improved decision-making processes for future events

For assistance in selecting the correct configuration, contact your Fisher Safety Customer Service Representative at 888-263-5319.

A	Scott Swat-Pak FR SCBA	19-121-444
B	Scott C420 PAPR	19-121-528
C	Onguard Hazmax Knee Boots	17-985-403B
D	Zephyr PSM Responder: - Motorola Subject Bundles with Small/Medium BioHarness - Motorola Subject Bundles with Large/X-Large BioHarness - PSM Responder System (OmniSense software, radio cable, configuration block and documentation) - Charging cradles with USB plug	18-451-200 18-451-201 18-451-203 18-451-202

Chemical Detection

Thermo Scientific* FirstDefender* RMX Handheld Chemical Identification

- Raman spectroscopy quickly identifies unknown solid and liquid chemicals down range
- Flexible modes — offers handheld use with fixed probe or vial, or connects easily to a tactical robot through integrated RS-232 port for universal control
- Lightweight, ergonomically designed unit weighs 2 lb.
- Point-and-shoot sampling offers improved operation through sealed translucent containers; avoids exposure and maintains evidence
- Noncontact analysis requires no consumables and no calibration
- The easy-to-navigate substance library includes explosives, toxic industrial chemicals (TICs), chemical warfare agents (CWAs), narcotics, precursors, white powders and more
- Menu-driven user interface requires minimal training and no scheduled maintenance or calibration
- Powered via included rechargeable battery, wall adapter or SureFire* disposable batteries
- Available with one-, two-, three-, four- or five-year warranty protection



A

Thermo Scientific* TruDefender* FT Handheld Chemical Identification

- Handheld FTIR system rapidly identifies unknown chemicals within seconds — even from within the hot zone
- Intuitive menu-driven interface enables users to be proficient with minimal training
- Auto mixture analysis enhances substance identification; eliminates the need for subtraction of spectra
- Onboard hazard database provides full safety and treatment information
- Rugged, ergonomic design easily handles zone-to-zone decon protocol — even when wearing Level A gear
- Requires no scheduled maintenance or calibration — doesn't require any consumables for operation
- Powered via included rechargeable battery or wall adapter; or disposable SureFire* batteries
- Weighs less than 3 lb.
- Available with one-, two-, three-, four- or five-year warranty protection



B

Looking for Pelican* or Pelican-Hardigg Equipment Cases?

Fisher Safety offers a wide variety of cases for equipment, weapons, instrumentation and computers. Contact your Fisher Safety Customer Service Representative for details, **1-888-263-5319**.



Dräger* Clan Lab Simultest* Kit



C&D

- Quickly detects toxic chemicals present in methamphetamine labs — delivering results in four minutes
- Detector tubes are pre-calibrated
- Laminated full-color instruction card provides a quick reference to accurately interpret results
- Kit components include: accuro* sampling pump, Simultest extension hose with adapter, five Simultest test sets, Simultest set opener and laminated instruction card
- Clan Lab Simultest Test Sets (as provided in the kit) include the following tubes: ammonia, hydrogen chloride, iodine, phosgene and phosphine
- All components are housed in rugged Pelican hard-sided case with foam insert

A	Thermo Scientific FirstDefender RMX Handheld Chemical Identification	17-720-414
B	Thermo Scientific TruDefender FT Handheld Chemical Identification	17-720-404
C	Dräger Clan Lab Simultest Kit	19-080-707
D	Dräger Simultest Test Sets for Clan Lab Kit	19-080-708

Catalog numbers shown are representative items from each product family listed — see www.fishersafety.com for additional details.

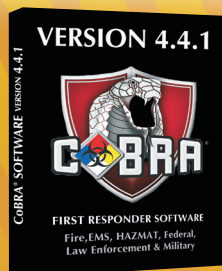
Chemical Detection (contd.)

Defense Group Inc. CoBRA*
First Responder Software

Provides high-speed access to interactive tools and databases to manage CBRNE and large-scale incidents.

Software Allows User To:

- Identify thousands of chemicals, biological agents and explosives
- Access updated databases including the latest CBRNE, Bio, HazMat, TICs/TIMs and explosive data
- Review new libraries including FEMA's Response to Terrorism, CHRIS, Trelleborg and more
- Search results such as agent information, protective gear and stand-off distances
- Utilize enhanced NFPA 704 tool to provide search interface to chemical databases
- Refer to expanded WMD and radiological glossaries
- Integrate department SOPs, checklists, forms and other resources
- Generate electronic reports from forms library (incident reports, NIMS and ICS response reports)
- Share critical incident information to chain of command
- Operates on almost any desktop, laptop or tablet PC running Microsoft Windows* XP (SP2), XP Tablet PC Edition, Windows Vista and Windows 7
- DHS-certified

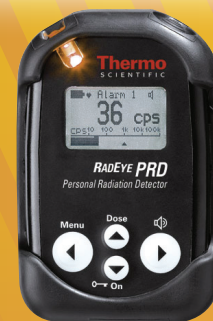


A

Radiation Detection

Thermo Scientific* RadEye* PRD Personal
Radiation Detector

- Lightweight, handheld detector can be used as a search and survey tool
- Menu-driven with an intuitive, easy-to-use format
- 5000 to 10,000 times more sensitive than a typical electronic dosimeter
- Incorporates highly sensitive NaI(Tl) scintillation detector with miniature photomultiplier for detecting very low radiation levels (gamma emissions below 400 KeV)
- Patented Natural Background Rejection (NBR) technology provides high sensitivity with high selectivity; eliminates nuisance alarming due to naturally recurring radiation sources
- Low-power-technology components and fully automated self-checks result in minimum maintenance
- Equipped with large, clear graphic display and audible/visible/vibrating alarms; earphone-output for silent alarming
- Factory calibrated in exposure rate R/h



C

Thermo Scientific* FHT 1377 PackEye
Radiation Detection Backpack

- Rapidly detects and locates gamma emitting radioactive sources
- Addresses the problems of orphaned sources, radiological contamination and maliciously introduced sources
- High neutron detection sensitivity via two He-3 tubes (2.5 bar)
- NBR technology eliminates nuisance alarming due to naturally occurring radiation sources
- Visual and audible alarms alert to presence of artificial gamma radiation
- Operates up to 70 hours using rechargeable 7.2V NiMH power pack
- Built-in earphone socket permits unobtrusive observation with optional earphone
- Optional PDA with Bluetooth* capabilities permits monitoring of data and alarms
- Gamma dose rate (50 keV to 3 MeV)
- Includes: ear phone, spare rechargeable battery pack and charger
- Weight: 13 lb.



D

Biological Detection

Haztech Systems* HazCat*
Anthrax Screening Kit

B

- Compact "lab in a box" helps identify unknown or mislabeled substances
- Easy-to-follow, step-by-step instructions and logic charts let any user identify unknown substances
- Designed to detect the presence of amino acids and proteins
- Requires minimal amount of unknown substance and reagents to obtain accurate results
- Kit comes organized in watertight Pelican* case

A	Defense Group Inc. CoBRA First Responder Software	19-130-0650
B	Haztech Systems HazCat Anthrax Screening Kit	19-120-2454
C	Thermo Scientific RadEye PRD Personal Radiation Detector	19-810-127
D	Thermo Scientific FHT 1377 PackEye Radiation Detection Backpack	19-175-638

Catalog numbers shown are representative items from each product family listed — see www.fishersafety.com for additional details.

Thermal Imaging

MSA* Evolution* 5200 Thermal Imaging Camera

Vanadium oxide microbolometer delivers excellent image quality (19,000 pixels) in a small-format imager. User-selectable palette (white hot, black hot, fusion, fire and ice, and rainbow) maximizes scene information to provide greater detail.

Features:

- Single-button ON/OFF activation
- Dual-handle design for easy handoff
- 3.5" display permits viewing by multiple users
- "Instant On" starts the camera in < 2 seconds
- Focal Plane Array (160 x 120) increases the number of pixels for improved picture quality
- Heat Seeker Plus identifies the hottest objects in both High and Low Sense modes
- Quick Temp provides numerical temperature readout of the scene
- Operating time: >2 hours (lithium ion battery)
- Dimensions: 10.8H x 8.1W x 4.4"D
- Weight: 48.2 oz. (with battery)
- Two-year warranty on camera core; one-year warranty on all other camera components
- **Note:** This particular model includes 110-220V charger and retractable lanyard



A

General PPE

3M* Peltor* Patrol* Tactical Protective Eyewear

Provides the style and comfort that today's tactical specialists (law enforcement, military and homeland security) are looking for.

- Durable, lightweight, wraparound frames
- Adjustable comfort features, including soft nose pads and temple tips
- Polycarbonate lenses absorb 99.9% UV
- Neutral gray lens provides better color contrast in all lighting conditions
- Anti-fog/abrasion-resistant lens coating
- Tactical black frames
- Compatible with helmets and other equipment
- Meets the requirements of ANSI* Z87.1-2003
- Meets military high-velocity VO ballistic test protocol
- Includes lanyard, protective case and cleaning cloth



C

3M* Peltor* Tactical 7S* Classic Hearing Protector

- Offers exceptional sound quality and attenuation
- Wearer hears low-level sounds clearly while electronics lower loud noises to safe listening level — ideal for shooting and range commands
- Adjustable stainless-steel headband with padding
- Single-knob adjustment for on/off volume control
- Operates 80 hours with one 9V battery (sold separately)
- Distortion-free amplification of low-level sounds up to 25dB
- Available also in neckband style
- NRR: 25db



D

IC Support

Reeves* Incident Command Posts



B

Rapidly deployable, climate-controlled shelter provides essential space for ICs to direct efforts in the field. Units can be set up or taken down with minimal effort by four to six people without special tools. Integrates with heating, cooling and lighting systems to form a complete infrastructure solution.

Select from Small (250 sq. ft.), Medium (359 sq. ft.) or Large (519 sq. ft.) units. Each shelter includes all necessary components to deploy and use — you supply the power for lighting, heating and cooling. Call Fisher Safety Customer Service for additional details.

Showa Best* N-Dex* NightHawk* Gloves

Stealth black gloves specially designed for law enforcement and security agencies.

- Made of 100% chemical resistant nitrile
- Textured fingertips for exceptional tactility
- Accelerator- and powder-free to minimize the potential for allergic reactions
- Length: 9.5" (24cm)
- Thickness: 4mil
- Available sizes: S, M, L, XL



E

A	MSA Evolution 5200 Thermal Imaging Camera	19-130-4003
B	Reeves Incident Command Posts	Call to order
C	3M Peltor Patrol Tactical Protective Eyewear	19-177-821
D	3M Peltor Tactical 7S Classic Hearing Protector	19-145-491
E	Showa Best N-Dex NightHawk Gloves	19-130-1300B-E

Catalog numbers shown are representative items from each product family listed — see www.fishersafety.com for additional details.

Protective Body Shields

Honeywell* Body Shields

Designed specifically for the following law enforcement agencies:

- Police departments
- Sheriffs' departments
- University police
- Corrections facilities
- Riot squads
- National Guard

Three styles available. All are constructed of clear, impact-resistant polycarbonate that also resists fragments and splash. Shields' formed rectangular shape provides core body protection; and ergonomically designed dielectric handles ensure secure, yet comfortable grip while also preventing electrical pass through. With wide nylon break-away strap. ID label must be specified at time of ordering. Shipped unassembled.



A

Style BS-2

- Thickness: 0.150"
- Dimensions: 20" wide x 36" tall
- Weight: 6 lb.

Style BS-3

- Thickness: 0.150"
- Dimensions: 24" wide x 48" tall
- Weight: 8.5 lb.

Style BS-9 (V-50 "Frag" rated)

- Thickness: 0.25"
- Dimensions: 24" wide x 48" tall
- Weight: 14 lb.

Honeywell* Knee Shields

Suitable for inmate confrontations — especially cell extraction in corrections facilities and riot control situations. Capable of withstanding sharp objects (glass or metal) and impact. Constructed of plastic alloy. Two rigid shell styles available:

Style 1010-ET

- Articulated, rigid-shell knee pads with wide heavy-duty elastic straps
- Velcro* fasteners ensure snug, but comfortable fit
- Weight: 16 oz.

Style 1010-EB

- Rigid-shell knee pads articulate for greater flexibility
- Heavy-duty elastic straps with Velcro fasteners for increased fit
- Weight: 16 oz.



B

Lighting

Pelican* 7060 LED Rechargeable Flashlight

- 1.5-hour burn time
- Employs new dual-switch technology — allows light to be activated by either a body-mounted patrol switch or a tail-mounted tactical switch
- Dual switches, which include a momentary mode, allow user to grip light in several positions and still control activation
- Handle features grenade grip with no-slip pattern
- Uses lightweight, rechargeable lithium-ion batteries for maximum brightness
- Length: 8.6" (22cm)
- Weight (with batteries): 10.4 oz. (295g)



C

Cyalume* Light Sticks

- Provide visible light up to one mile for up to 12 hours
- Easily activated with a bend, snap and shake
- Nontoxic, nonflammable, will not generate heat or flames
- Impervious to wind and weather, waterproof and buoyant
- No special shipping or storage requirements
- Maintenance free, no batteries required
- Made in the USA



D

Three Light Stick models to select from:

- SnapLight* — Industrial grade 6" (15.2cm) hexagonal light stick with eyelet and hook
- ChemLight* — Military grade 6" (15.2cm) smooth-sided light stick with eyelet; NSN approved
- Impact* — 15" (38.1cm) light stick activates upon impact

Pelican* 9470 Remote Area Lighting System

- Maintenance-free portable floodlight station
- Solid-state mounted LED's coupled with a thermally efficient light engine
- Comes with convenient low-battery warning system and waterproof activation switch
- 12V rechargeable, sealed battery
- Runs up to 14 hours on low setting, seven hours on high
- 8-hour charge time
- Mast extends to 72.9" (185cm)
- Dimensions (with lamp heads closed): 6.5 x 7.87 x 2.56"
- Weight: 88.2 lb.



E

A	Honeywell BS-2, BS-3 and BS-9 Body Shields	19-814-215, -216, -217
B	Honeywell 1010-ET and 1010-EB Knee Shields	19-814-218, -219
C	Pelican 7060 LED Rechargeable Flashlight	19-168-762
D	Cyalume Light Sticks	19-006-105
E	Pelican 9470 Remote Area Lighting System	19-502-004

Catalog numbers shown are representative items from each product family listed — see www.fishersafety.com for additional details.

Wireless Technology

Tactical Electronics PCSS1 Wireless Pole Camera

Lightweight system has no cumbersome belt packs or external cables — ideal for SWAT and EOD teams. Small handle assembly houses wireless transmitter, battery compartment and all necessary electronics required to operate camera. Available with either black/white camera head with 10 IR LEDs; or color head with 8 IR LEDs and photo sensor cell. Length: 23" (extends to 80" with included two quick-change extensions). Weighs only 3 lb.



A

Tactical Electronics LPSS3 Long Pole Camera

Provides wireless video surveillance and observation of subjects at significant heights and distances while remaining behind cover. The LPSS3 features a mini DVR, a 20 ft. collapsible extension pole, and a flexible neck camera head surrounded by eight IR LEDs. A total weight of 1.5 lb.



B

Tactical Electronics K-9MC4 Canine Mounted Camera

Compact lightweight camera mounts to the hind quarters — allowing handler to accurately see what the dog sees. Extremely low light, black/white camera uses enhanced IR illumination to see in areas where most other cameras can't. The system records audio and video directly to the SD card. Wireless transmitter, battery compartment and onboard DVR are housed in protective assembly.



C

A	Tactical Electronics PCSS1 Pole Wireless Camera	NC0135525
B	Tactical Electronics LPSS3 Long Pole Camera	NC0157400
C	Tactical Electronics K-9MC4 Canine Mounted Camera	NC0177509

Catalog numbers shown are representative items from each product family listed — see www.fishersafety.com for additional details.

* Trademark. For ownership, go to www.fishersafety.com/trademarks.

Fisher Safety

Equipment for Law Enforcement

In addition to specialty PPE, Fisher Safety offers a variety of other products and supplies that law enforcement agencies can order for all duty levels.

Apparel

- CBRN
- Chemical resistant
- Reflective vests and rainwear

Cases

- Computer
- Equipment
- Weapons

Decon

- Shelters
- Trailers

Eye Protection

- Ballistic
- Patrol
- Tactical

Gloves

- Patrol
- Nitrile

First Aid and Medical

- AEDs
- First-in bags
- Kits

Hearing Protection

- Ear plugs
- Ear muffs (standard and ballistic)

Instrumentation

- Biological
- Chemical (TIC/WMD)
- Physiological
- Radiation

Lighting

- Area lighting
- Flash lights
- Electronic flares
- Helmet-mounted lights
- Lanterns
- Lightsticks

Respiratory

- Air-purifying
- Gas masks (standard and CBRN)
- PAPRs (standard and CBRN)
- SCBAs

Ropes and Rigging

- Bags
- Harnesses
- Hardware
- Ropes and webbing

Spill Control and Containment

- Kits
- Sorbents
- Pools and berms

Thermal Imagers

Traffic Safety

- Barriers
- Cones
- Tapes