ACRONYMS AND ABBREVIATIONS

A

ABC: airway, breathing, and circulation
ABG: arterial blood gas
AC: hydrogen cyanide
ACh: acetylcholine
AChE: acetylcholinesterase
ADAPC: Alcohol and Drug Abuse Prevention and Control
AEF: American Expeditionary Force
AERP: Aircrew Eye/Respiratory Protection
agr: accessory gene regulator
AHF: Argentine hemorrhagic fever virus
AIT: Aeromedical Isolation Team
AMC: Army Materiel Command
AMEDD: U.S. Army Medical Department
ANTU: α-naphthylthiourea
Ara-A: adenine arabinoside
Ara-C: cytosine arabinoside
ARDS: adult respiratory distress syndrome
AST: aspartate aminotransferase
ATA: alimentary toxic aleukia
ATCC: American Type Culture Collection
ATM: advanced trauma management
ATP: adenosine 5'-triphosphate
AUIB: Aircrew Uniform, Integrated Battlefield
A-V: atrial-ventricular
AVOG: Aviation Overgarment
AZT: azidothymidine

B

BAL: British anti-Lewisite
BALT: bronchus-associated lymphoid tissue
BAS: battalion aid station
BDO: battledress overgarment
BDRP: Biological Defense Research Program
BG: Bacillus globigii
BIDS: Biological Integrated Detection System
BL: Biosafety Level
BPL: β-propiolactone
BuChE: butyrocholinesterase
BVO: Black Vinyl Overboot
BZ: 3-quinuclidinyl benzilate (now called QNB)

C

c: capsid protein
CA: bromobenzylcyanide
CaEDTA: calcium ethylenediaminetetraacetic acid
CAI: Chemical (Surety Material) Accident or Incident
CAIRA: Chemical Accident or Incident Response and Assistance
CAM: Chemical Agent Monitor
CBPS: Chemical and Biological Protected Shelter
C-CHF: Crimean-Congo hemorrhagic fever virus
CCST: Chemical Casualty Site Team
CD: cluster of differentiation
CDAE: Chemical Defense Aircrew Ensemble
CDC: Casualty Decontamination Center
CDC: Centers for Disease Control and Prevention
CDTF: Chemical Decontamination Training Facility
CF: complement fixation
CG: phosgene
CHAMP: chemically hardened air-management plant
CHASE: Cut Holes and Sink ‘Em
CHATH: Chemically Hardened Air Transportable Hospital
ChE: cholinesterase
CIA: Central Intelligence Agency
CK: cyanogen chloride
CMR: chloroform-methanol residue vaccine
CN: 1-chloroacetophenone
CN: chloroacetophenone
CNS: central nervous system
CONUS: continental United States
CP DEPMEDS: Chemically Protected Deployable Medical System
CPAP: continuous positive airway pressure
CPE: collective protection equipment
CPFC: Chemical Protective Footwear Cover
CPOG: Chemical Protective Overgarment
CPRP: Chemical Personnel Reliability Program
CR: dibenz (b,f)-1,4-oxazepine
CS: 2-chlorobenzylidene malononitrile
CSEPP: Chemical Stockpile Emergency Preparedness Program
CSF: cerebrospinal fluid
CS: Combat Support Hospital
CSI: Chemical Surety Inspection
Ct: the product of the concentration (in milligrams per cubic meter of air) and the time (in minutes) of exposure to a gas or aerosol
CWS: Chemical Warfare Service
CX: phosgene oxime
CYE: charcoal yeast extract

D

d: dalton
DA PAM: Department of the Army Pamphlet
DA: diphenylchlorarsine
DANC: Decontaminating Agent, Non-Corrosive
DAS: diacetoxyiscripenol, also called anguidine
DC: diphenylcyanoarsine
DF: methylphosphonic difluoride
DFA: direct fluorescent antibody
DFP: diisopropyl fluorophosphate
DIC: disseminated intravascular coagulation
DISCOM: Division Support Command
DKIE: Decontamination Kit, Individual Equipment
D_{1CO_2}: lung diffusing capacity for carbon monoxide
DM: diphenylaminearsine, also called adamsite
4-DMAP: 4-dimethylaminophenol
DMSO: dimethyl sulfoxide
DNA: deoxyribonucleic acid
DOVE: deoxyverrucarol
DP: diphosphene
DPRK: Democratic Peoples Republic of Korea
DS2: Decontaminating Solution 2
DU: Duty Uniform
EEAC: Echelon Above Corps
ECG: electrocardiogram
ED_{50}: effective dose (also called the incapacitating dose) for humans for 50% of the population exposed
EDTA: ethylenediaminetetraacetic acid
EEE: eastern equine encephalitis
EEG: electroencephalogram

687
ELISA: enzyme-linked immunosorbent assay
EMS: emergency medical services

F
FDA: U.S. Food and Drug Administration
FDECU: field deployable environmental control unit
FEMA: Federal Emergency Management Agency
FID: Field Hospital
FLOT: forward line of troops
FM: Field Manual
FM: titanium tetrachloride
FMC: Field Medical Card
FSMC: Forward Support Medical Company
FTIR: Fourier Transform Infrared spectrometer

G
G: German (G-series agents)
GA: tabun
GABA: \(\gamma\)-aminobutyric acid
GALT: gut-associated lymphoid tissue
GB: sarin
GC–MS: combination of GLC and MS techniques
GD: soman
GF: cyclohexylmethylphosphonofluoridate
GH: General Hospital
GLC: gas–liquid chromatography
GVO: Green Vinyl Overboot

H
HC: hexachlorethane
HCN: hydrocyanic acid
HD: distilled mustard agent
HD: sulfur mustard
HEPA: high-efficiency particulate air (filter)
HFRS: hemorrhagic fever with renal syndrome
HHS: US Department of Health and Human Services
HI: hemagglutination-inhibition
HIV: human immunodeficiency virus
HMMWV: high-mobility, multipurpose, wheeled vehicle
HPLC–MS: high-performance liquid chromatography–mass spectrometry
HPS: hantavirus pulmonary syndrome
HS: mustard agent
HSC: Health Services Command
HSS: Health Service Support
HTH: high-test hypochlorite
HUGO: Human Genome Organization

I
ICAM: Improved Chemical Agent Monitor
ICBPG: Improved Chemical and Biological Protective Glove
LD\(_{50}\): the dose that incapacitates 50% of the exposed population
ID: incapacitating dose
IFA: indirect fluorescent antibody
IFN-\(\gamma\): interferon gamma
Ig: immunoglobulin
IL-6: interleukin-6
IMA: Installation Medical Authority
IMF: Installation Medical Facility
IMS: ion mobility spectroscopy
IND: Investigational New Drug
IRF: Installation Response Force
ISO: International Organization for Standardization (from the French)
ITAR-TASS: Information-Telegraph Agency of Russia–Telegraph Agency of the Soviet Union

J
JACADS: Johnston Atoll Chemical Agent Destruction System
JSLIST: Joint Service Lightweight Integrated Suit Technology

K
KB: kilobase
kd: kilodalton
KTM: Kops Tissot Monro (mask)

L
L: Lewisite
LAC: Large Area Coverage
Lcr: low calcium response
LC\(_{50}\): the vapor or aerosol exposure (\(C_t\), concentration \(\times\) time) that is lethal (L) to 50% of the exposed population
LD\(_{50}\): the dose (D) that is lethal (L) to 50% of the exposed population
LDS: Lightweight Decontamination System
LOPAIR: long-path infrared
LPS: lipopolysaccharide
LSD-25: D-lysergic acid diethylamide
LSD: lysergic acid
LVS: live vaccine strain

M
MACOM: Major Army Command
MASH: Mobile Army Surgical Hospital
MAT: Medical Augmentation Team
MCAT: Medical Chemical Advisory Team
MCBW: mass casualty biological weapon
MCE: maximum credible event
MD: methylidifluorarsine
MDMA: 3,4-methylenedioxyamphetamine
MED\(_{50}\): the dose that is minimally effective for mild cognitive impairment in 50% of the exposed population
MEDCEN: Medical Center
MEDCOM: Medical Command
MEDDAC: Medical Department Activity
MMPI: Minnesota Multiphasic Personality Inventory
MOA: Memorandum of Agreement
MOPP: mission-oriented protective posture
MOS: military occupation specialty
MOU: Memorandum of Understanding
MPE: most probable event
MRI: Medical Reengineering Initiative
mRNA: messenger RNA
MRT: Medical Response Team
MT: medical treatment facility
MULO: Multipurpose Overboot

N
NAD\(^+\): nicotinamide adenine dinucleotide
NALT: nasal-associated lymphoid tissue
NAPP: nerve agent pyridostigmine pretreatment
NATO: North Atlantic Treaty Organization
NBC: nuclear, biological, and chemical
NBCRS: Nuclear Biological Chemical Reconnaissance System
NB–PC: nuclear, biological, chemical protective covers
NF: Number Facility
NK: natural killer
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<td>NRC: National Research Council</td>
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<td>NYCBOH: New York City Board of Health</td>
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<td>O</td>
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<td>OG: Overgarment</td>
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<td>OPA: isopropyl alcohol and isopropylamine solution</td>
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<td>OPIDN: organophosphorus ester–induced delayed neurotoxicity</td>
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<td>ORS: optical remote sensing</td>
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<td>OTSG: Office of The Surgeon General</td>
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<td>PADPRP: poly(ADP-ribose) polymerase</td>
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<td>PAHP: p-aminoheptanoylphenone</td>
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<td>PAO₂ – PaO₂: alveolar–arterial difference in the partial pressure of oxygen</td>
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<tr>
<td>PaO₂: partial pressure of arterial oxygen</td>
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<td>2-PAM Cl: 2-pyridine aldoxime methyl chloride, also called pralidoxime chloride</td>
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<td>PAOP: p-aminoacetanilidophenone</td>
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<td>PAPP: p-aminohippuric acid phenone</td>
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<td>PATS: Protection Assessment Test System</td>
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<td>PCO₂: partial pressure of carbon dioxide</td>
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<td>PCR: polymerase chain reaction</td>
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<td>PDA: Portable Decontamination Apparatus</td>
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<td>PDDA: Power-Driven Decontamination Apparatus</td>
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<td>PDS: personnel decontamination station</td>
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<td>PEEP: positive end-expiratory pressure</td>
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<td>PEG300: polyethylene glycol 300</td>
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<td>PF: protection factor</td>
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<td>PFIB: perfluoroisobutylene</td>
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<td>PFT: pulmonary function test</td>
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<td>pfu: plaque-forming units</td>
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<td>PHA: passive hemagglutination assay</td>
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<td>Po₂: partial pressure of oxygen</td>
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<td>ppb: parts per billion</td>
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<td>PPE: personal protective equipment</td>
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<td>ppm: parts per million</td>
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<td>PFW: patient protective wrap</td>
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<td>PR: protective ratio</td>
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<td>PRN: plaque reduction neutralization</td>
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<td>PS: chloropicrin</td>
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<td>Q</td>
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<tr>
<td>Q: query</td>
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<td>QDH/SS: Quick Doff Hood/Second Skin</td>
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<td>QNB: 3-quinuclidinyl benzilate (current name for BZ)</td>
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<td>RBC-ChE: red blood cell cholinesterase</td>
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<tr>
<td>RBC: red blood cell</td>
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<td>RDIC: resuscitation device, individual, chemical</td>
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<td>RFK: Richardson, Flory, and Kops mask</td>
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<td>RIA: radioimmunoassay</td>
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<td>RME: receptor-mediated endocytosis</td>
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<td>RNA: ribonucleic acid</td>
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<td>rRNA: ribosomal ribonucleic acid</td>
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<td>RSCAAL: Remote Sensing Chemical Agent Alarm</td>
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<td>RT-PCR: reverse transcriptase polymerase chain reaction</td>
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<td>RVF: Rift Valley fever virus</td>
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<td>SBR: small-box respirator</td>
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<td>SCPE: Simplified Collective Protective Equipment</td>
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<td>SDS: sodium dodecyl sulfate</td>
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<td>SE: staphylococcal enterotoxins</td>
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<td>SEB: staphylococcal enterotoxin B</td>
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<td>SGOT: serum glutamic-oxaloacetic transaminase</td>
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<td>SIPRI: Stockholm International Peace Research Institute</td>
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<td>S-LOST: sulfur mustard, for Lommell and Steinkopf</td>
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<td>SOP: standing operating procedure</td>
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<td>SPE: streptococcal pyrogenic exotoxins</td>
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<td>SRF: Service Response Force</td>
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<td>SS: shotgun shell (bomb)</td>
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<td>STB: super tropical bleach</td>
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<td>TAP: toxicological agent protective (ensemble)</td>
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<td>TB MED: Technical Bulletin Medical</td>
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<td>TCDD: 2,3,7,8 tetrachlorodibenzo-p-dioxin</td>
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<td>TEMPER: tent, extendable, modular, personnel</td>
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<td>TEPP: tetraethyl pyrophosphate</td>
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<td>THA: tetrahydroaminoacridine, also called tacrine</td>
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<td>THC: tetrahydrocannabinol</td>
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<td>TLC: thin-layer chromatography</td>
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<td>TLV: threshold limit value</td>
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<td>TNF-alpha: tumor necrosis factor-alpha</td>
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<td>TNF: tumor necrosis factor</td>
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<td>TOCP: triorthocresyl phosphate</td>
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<td>TPS: topical skin protectant</td>
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<td>TrD: Trinidad donkey</td>
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<td>TSS: toxic shock syndrome</td>
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<td>TSST-1: toxic shock syndrome toxin-1</td>
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<td>UNSCOM: United Nations Special Commission</td>
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<td>USAMRICD: U.S. Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, Maryland</td>
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<td>USAMRIID: U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland</td>
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<td>USAMRMC: U.S. Army Medical Research and Materiel Command, Fort Detrick, Frederick, Maryland</td>
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<td>V</td>
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<td>V: venomous (V-series agents)</td>
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<td>VEE: Venezuelan equine encephalitis</td>
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<td>VHF: viral hemorrhagic fever</td>
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<td>VIG: vaccinia immune globulin</td>
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<td>VKA: vegetable killer acid</td>
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<td>VKL: vegetable killer liquid</td>
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<td>VPFRU: Vapor-Protective, Flame-Resistant Undergarment</td>
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<td>VX: ethyl-S-dimethylaminoethyl methylphosphonothiolate</td>
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<td>W</td>
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<td>WBGT: wet bulb globe temperature</td>
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<td>WEE: western equine encephalitis</td>
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<tr>
<td>WHO: World Health Organization</td>
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<td>WP: white phosphorus</td>
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<td>WRS: War Research Service</td>
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<td>Y</td>
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<td>Yops: Yersinia outer-membrane proteins</td>
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<td>Z</td>
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<td>ZOI: Zone of the Interior</td>
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