ACRONYMS AND ABBREVIATIONS

A

ABC: airway, breathing, and circulation
ABG: arterial blood gas
AC: hydrogen cyanide
ACh: acetylcholine
ACH: 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
CDF: 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
CFPC: Chemical Protective Footwear Cover
CPOG: Chemical Protective Overgarment
CPRP: Chemical Personnel Reliability Program
CR: dibenz (b,f)-1,4-oxazepine
CS: 2-chlorobenzylidene malononitrile
CSF: cerebrospinal fluid
CSH: Combat Support Hospital
CSI: Chemical Surety Inspection
C: 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: diacetoxyscripenol, 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
DlCO: lung diffusing capacity for carbon monoxide
DM: diphenylaminesulfone, also called adamsite
4-DMAP: 4-dimethylaminophenol
DMSO: dimethyl sulfoxide
DNA: deoxyribonucleic acid
DOVE: deoxyverrucarol
DP: diphosgene
DPRK: Democratic Peoples Republic of Korea
DS2: Decontaminating Solution 2
DU: Duty Uniform

E

EAC: Echelon Above Corps
ECG: electrocardiogram
ED95: effective dose (also called the incapacitating dose) for humans for 50% of the population exposed
EDTA: ethylenediaminetetraacetic acid
EEE: eastern equine encephalitis
EEG: electroencephalogram
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
FLD: 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: γ-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
ICD50: the dose that incapacitates 50% of the exposed population
ID: incapacitating dose
IFA: indirect fluorescent antibody
IFN-γ: 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-Telegram 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
KT: Kops Tissot Monro (mask)

L
L: Lewisite
LAC: Large Area Coverage
Lcr: low calcium response
LC50: the vapor or aerosol exposure (Ct, concentration • time) that is lethal (L) to 50% of the exposed population
LD50: the dose (D) that is lethal (L) to 50% of the exposed population
LDS: Lightweight Decontamination System
LPAIR: 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-methylenedioxymethylamphetamine
MED50: 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
MHC: major histocompatibility complex
MLRS: Multiple Launch Rocket System
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
MS: mass spectrometry
MTF: 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
NBC–PC: nuclear, biological, chemical protective covers
NF: Number Facility
NK: natural killer
NRC: National Research Council
NYCBOH: New York City Board of Health

OG: Overgarment
OPA: isopropyl alcohol and isopropylamine solution
OPIDN: organophosphorus ester–induced delayed neurotoxicity
ORS: optical remote sensing
OTSG: Office of the Surgeon General

PADPRP: poly(ADP-ribose) polymerase
PAHP: p-aminoheptanoylphenone
PAO₂: partial pressure of oxygen
2-PAM Cl: 2-pyridine aldoxime methyl chloride, also called pralidoxime chloride
PAOP: p-aminoocanoylphenone
PAPP: p-aminopropiophenone
PATS: Protection Assessment Test System
PCO₂: partial pressure of carbon dioxide
PCR: polymerase chain reaction
PDA: Portable Decontamination Apparatus
PDDA: Power-Driven Decontamination Apparatus
PDS: personnel decontamination station
PEEP: positive end-expiratory pressure
PEG300: polyethylene glycol 300
PF: protection factor
PFIB: perfluoroisobutylene
PFT: pulmonary function test
pu: plaque-forming units
PHA: passive hemagglutination assay
PO₂: partial pressure of oxygen
ppb: parts per billion
PPE: personal protective equipment
ppm: parts per million
PPW: patient protective wrap
PR: protective ratio
PRN: plaque reduction neutralization
PS: chloropicrin

Q: query
QDH/SS: Quick Doff Hood/Second Skin
QNB: 3-quinuclidinyl benzilate (current name for BZ)

RBC-ChE: red blood cell cholinesterase
RBC: red blood cell
RDIC: resuscitation device, individual, chemical
RFK: Richardson, Flory, and Kops mask
RIA: radioimmunoassay
RME: receptor-mediated endocytosis
RNA: ribonucleic acid
rRNA: ribosomal ribonucleic acid
RSCAAL: Remote Sensing Chemical Agent Alarm
RT-PCR: reverse transcriptase polymerase chain reaction
RVF: Rift Valley fever virus

SBR: small-box respirator
SCPE: Simplified Collective Protective Equipment
SDS: sodium dodecyl sulfate

SE: staphylococcal enterotoxins
SEB: staphydlococcal enterotoxin B
SGOT: serum glutamic-oxaloacetic transaminase
SIPRI: Stockholm International Peace Research Institute
S-LOST: sulfur mustard, for Lommell and Steinkopf
SOP: standing operating procedure
SPE: streptococcal pyrogenic exotoxins
SRF: Service Response Force
SS: shotgun shell (bomb)
STB: super tropical bleach

TAP: toxicological agent protective (ensemble)
TB MED: Technical Bulletin Medical
TCDD: 2,3,7,8 tetrachlorodibenzo-p-dioxin
TEMPER: tent, extendable, modular, personnel
TEPP: tetraethyl pyrophosphate
THA: tetrahydroaminoacridine, also called tacrine
THC: tetrahydracannabinol
TLC: thin-layer chromatography
TLV: threshold limit value
TNF-alpha: tumor necrosis factor–alpha
TNF: tumor necrosis factor
TOCP: triorthocresyl phosphate
TSS: toxic shock syndrome
TSST-1: toxic shock syndrome toxin–1

UNSCOM: United Nations Special Commission
USAMRICD: U.S. Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, Maryland
USAMRIID: U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland
USAMRMC: U.S. Army Medical Research and Materiel Command, Fort Detrick, Frederick, Maryland

V: venomous (V-series agents)
VEE: Venezuelan equine encephalitis
VHF: viral hemorrhagic fever
VIG: vaccinia immune globulin
VKA: vegetable killer acid
VKL: vegetable killer liquid
VPFRU: Vapor-Protective, Flame-Resistant Undergarment
VX: ethyl-S-dimethylaminoethyl methylphosphonothioate

WBGT: wet bulb globe temperature
WEE: western equine encephalitis
WHO: World Health Organization
WP: white phosphorus
WRS: War Research Service

Yops: Yersinia outer-membrane proteins

ZOI: Zone of the Interior