

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: -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: -propiolactone
BuChE: butyrylcholinesterase
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
CSH: 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: 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
DL_{CO}: lung diffusing capacity for carbon monoxide
DM: diphenylaminearsine, 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
ED₅₀: 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
ID₅₀: 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-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_{t50}: 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
LOPAIR: long-path infra red
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: methyldifluorarsine
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

O

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

P

PADPRP: poly(ADP-ribose) polymerase
 PAHP: *p*-aminoheptanoylphenone
 $P_{AO_2} - P_{aO_2}$: alveolar-arterial difference in the partial pressure of oxygen
 P_{aO_2} : partial pressure of arterial oxygen
 2-PAM Cl: 2-pyridine aldoxime methyl chloride, also called pralidoxime chloride
 PAOP: *p*-aminooctanoylphenone
 PAPP: *p*-aminopropiophenone
 PATS: Protection Assessment Test System
 P_{CO_2} : 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
 pfu: plaque-forming units
 PHA: passive hemagglutination assay
 P_{O_2} : 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

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

R

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

S

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

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

T

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
 TPS: topical skin protectant
 TrD: Trinidad donkey
 TSS: toxic shock syndrome
 TSST-1: toxic shock syndrome toxin-1

U

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

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 methylphosphonothiolate

W

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

Y

Yops: *Yersinia* outer-membrane proteins

Z

ZOI: Zone of the Interior