

DCI Laboratory Common Terminology

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1xEDTA buffer
3130 CE instrument
3500 CE instrument
9700 thermal cycler

A

ABA card
ABI 7500
ABI Prism R
ACE-V
abrasion marks
absorption - elution
absorption - inhibition
accidental characteristics
accidental discharge
acetaldehyde
acetaminophen
acetate buffer
acetic acid
acetone
acid phosphatase (AP)
acrylamide gel
actinic light
adenine
AFIS
agglutinate
Aco-Sensor
Alphonse Bertillon
aliquot
alkaloid
allele
allelic dropout
allelic ladder
alpha-naphthyl phosphate
alpha-naphthylamine
alternate light source (ALS)
ambient
amelogenin
amino acid
amitriptyline
ammonia
ammunition
ampersand
AmpFSTR®
amphetamine
amplification
amplification plot
AmpliTaq Gold

amylase
amylase diffusion
analytical balance
analytical threshold
angular joining
angularity
anneal
annular rim
annulus
anode
anode buffer reservoir
antibody
antigen
antimony
antiserum
anthropometry
anvil
aperture
apex
Applera Corporation
Applied Biosystems
aqueous
arcade letter form
ardox
aromatic
arson
ascender
ASCLD
assay
atomic absorption
automated fingerprint
automated fingerprint identification system (AFIS)
autoradiography
AxSYM
azo dye

B

BAC (Blood Alcohol)
ball
ball powder
ball terminal
ballistics
ballistite
barbiturate
barium
barrel
baseline correction
Bayes formula
basal layer

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| <p>bases, base pair beaker bearing surface Becke line Beckman Coulter benzene benzidine benzoylecgonine (BE) Bertillonage bias ply bifurcation Biomek 3000 Robot birefringence bismuth iodine bit blood blood grouping blowback boat tail bullet bolt bounce flash BrAC (Breath Alcohol) breech Brenneke broach buckshot buccal swab buffer buffer value buffered saline bulletin board bunsen burner butabarbital butalbital butanol butyl chloride byte</p> <p>C C_t caffeine caliber calligraphy camera S.L.R. Cannabis Sativa L. cannelure capillary capillary electrophoresis (CE) capricious carbon disulfide</p> | <p>carbon monoxide carboxyhemoglobin Cargille cartridge cathode cellulose acetate central processing unit centrifuge charcoal absorption/elution charcoal trap charge-coupled device (CCD) charted enlargement chelex chemiluminescence chloroform chlorpheniramine chlorpromazine christmas tree stain chromatogram chromatograph chromatographically chromosome chronograph class characteristics cleat cloning cluster CMP CO-oximeter cobalt thiocyanate cocaethylene cocaine cocaine base cocaine frenzie cocaine hydrochloride codeine CODIS codon Coe-flex Cofiler™ collation color reversal comparison microscope compression marks confirmation Convicted Offender Index cordite core loci crack creatinine level</p> |
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| <p> crepe criminalist cross-over crystal violet CSF1PO cursive writing cuticle CXR cyanoacrylate1-(1,4-cyclohexadienyl)-2- methylaminopropane (CMP) cyclohexane cylinder cystolithic hairs cytosine </p> <p>D</p> <p> D1S80 D3S1358 D5S818 D7S820 D8S1179 D13S317 D16S539 D18S51 D21S11 DFO (1, 8-Diazfluoren-9-one) Damascus database dactyloscopy deionized deionized formamide denature densitometer deoxyribonucleic acid (DNA) DNA IQ™ dental stone depressant depth of field dermatoglyphics dermis derringer desultory dextromethorphan dextropropoxyphene di-chroic filters di-p-tolouyl-L-tartaric acid diacritic diazepam diethyl ether differential extraction Differex™ Diffusion </p> | <p> Difluoroethane Digital Capture System (DCS) Dille-Koppanyi dimethylformamide (DMF) dimethyl sulfone dipropyl acetal diphenhydramine diphenylamine diphenylcarbazone disodium phosphate dispersion staining dithiothreitol (DTT) dot blot double action double-tap DQA1 DQα Drug Recognition Evaluation officer (DRE) Duquenois-Levine </p> <p>E</p> <p> ecgonine ecgonine methyl ester ejector marks electrokinetic injection electrophoresis electropherogram Electrostatic Detection Apparatus Electrostatic dust print lifter EMIT ending ridge graphics array (EGA) Enclosure enlargement, 1:1 enzyme enzyme multiplied ephedrine epidermis epithelial fraction Eppendorf pipet Equation of a straight line (y=mx+c) ESDA ethanol ether ethyl acetate ethyl alcohol ethyl chloride extraction extractor marks extrusion marks </p> |
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F

f/Stop
 5-FAM
 FAM
 ferrule
 Fast Blue 2B
 Fentanyl
 FGA
 filar micrometer
 fillip
 film plane
 fingerprint powder
 Finnigan
 firearms identification
 firing pin
 flash (strobe)
 flechette
 Florence test
 fluorescence
 fluorescence polarization immunoassay (FPIA)
 fluorescent STR analysis
 flurazepam
 focal length of lens
 forensic lightsource
 forensic science
 formaldehyde
 formamide
 Fourier transform
 fracture match
 fragmentation
 Francis Galton
 friction marks
 friction ridge
 friction ridge skin
 Froehde
 FTA card™
 FTA paper
 FTIR
 Fusion

G

garland letter form
 gas chromatography
 gas chromatography/Fourier
 gas chromatography/mass
 gauge
 gel bond film
 gene frequency

genes
 GeneMapper®
 GeneMapper® ID v.3.2
 GeneMapper® ID-X
 GeneMapper® Manager
 GeneScan®
 GeneScan® Software
 310 Genetic Analyzer
 Genotyper®
 Genotyper software
 gentian violet
 glucuronide
 Glycophorin A
 gold chloride
 graduated cylinder
 grain weight
 gram
 graphite
 graphology
 Griess test
 gripping tool
 groove
 guaifenesin
 guanine
 gunpowder pattern/residues

H

Haemophilus aegyptius
 (Hae III)
 hallucinogen
 hand lens
 haptoglobin
 harddisk
 hardware
 Hardy-Weinberg
 hashish
 heat plate
 heavy petroleum distillate
 heel
 helium
 Hemoglobin G Gammaglobin (HBGG)
 Heroin
 Heterozygote ratio
 heterozygous
 Hewlett-Packard
 Hexadecimal
 hexane
 HLA DQA1
 holographic document
 homozygous

horizontal
humidity chamber
hybridization
hydrocarbon fuel
hydrochloric acid
hydrocodone
hydromorphone
hypo (fixing agent)

I

IBIS
Identification System
Identifiler™
ignitable liquid residues
ignition interlock device (IID)
ILS 250 peak
ILS ladder
indanedione
inhibition
immunoassay (FPIA)
immunoassay technique
immunodiffusion
immuno-electrophoresis
impact
implode
incendiary
indexing
individual characteristics
inertia
infrared absorption
infrared spectrophotometer
infrared spectrophotometer(y)
infrared spectroscopy
injection molding
inked fingerprints
inositol
internal standard
Internal Lane Standard (ILS)
Intoxilyzer Model 4011A
iodine
iodoplatinate
ionize
Iowa Forensic Casework
Index
IR (infrared)
Isoamyl alcohol
isopropanol
ISO-film speed
isoparaffinic
Italic
Invitrogen

J

K

khat
kilobase
Kreonite paper processor

L

land impressions
laser
latent lift
latent prints
lead azide
lead styphnate
lectin
lenses (zoom, telephoto, macro)
leucocrystal violet
Levamisole
lidocaine
lifting tape
light petroleum distillate
linear least square regression
Liquid chromatography/mass Spectrometry/mass spectrometry (LC/MS/MS)
liter
local southern sizing method
locus, loci
lubaloy
lysergic acid diethylamide (LSD)
lysis

M

MBD (7-Pmethoxybenzlamino-4-nitroben-2-oxa-1-3-diazole)
macroscopic
magna brush
magna powder
magnifying glass
magnum
major case prints
malalignment
Mallinckrodt
mandrel
mannitol
marijuana
Marquis
mass fragment
mass spectrometer

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| <p>matrix matrix file Mauser McCrone Research Institute MDA Mecke mercuric sulfate medium petroleum distillate medullae mescaline metabolite methadone methamphetamine methanol Methylate 3,4-methylenedioxyamphetamine methylene chloride Mettler Microcon™ microcrystalline test microgram micrometer microscope microscopic microscopy microtiter plate milligrams milliliter minus A minutiae mirror image backup mitochondrial DNA modulator/demodulator(modem) monocular morphine mustang purple muzzle</p> <p>N N-desmethyldiazepam n-triacontane nano power naphthanil diazo blue B naphthenic paraffinic narcotic National Research Council Report I (NRC I) Ned negatives (for prints) Neoprene neutron activation analysis</p> | <p>NGI Next Generation Identification (NGI) database NIBIN nicotine ninhydrin nitrates nitrites nitrocellulose nitrogen nitroglycerine nitroprusside nortriptyline 11-nor-9-carboxy-delta Noscapine NRC I NRC II</p> <p>O objective oblique ocular ogive Ohaus oligonucleotide opium OSAC (organization of scientific area committees) OSAC subcommittee on friction ridge skin OSAC subcommittee on footwear and tire outsole over exposed over powder wad over shot wad oxygenated solvents oxyhemoglobin</p> <p>P P-30 painting with light panel manager Papaver Somniferum Papaverine para-dimethylaminobenzaldehyde parabellum parallax patent prints paternity pellet penetration</p> |
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| <p> Penta D Penta E Pentacosane pentanucleotide pentobarbital Percodan percussion peripheral Perkin-Elmer (aka PE Biosystems) Permount persistent pethidine petri dish pH gradient phadebas paper phadebas tablets phage, bacteriophage phenobarbital phenol phenolphthalein phenylpropanolamine (PPA) phosphate buffered saline (PBS) phosphoric acid photographic paper photomicrograph photographic enlargement Physician's Desk Reference pica pipet pistol plasmid platen platinum electrode Plexor™ plexorHY point of identification polarizing microscope Polymarker polymerase chain reaction (PCR) polymorphism POP-4™ PopStats positives (for slides) posterior odds potassium bromide potassium oxalate PowerPlex 16™ powerPlex 16 Hot Start (HS) precipitate precipitin test preferential amplification primer </p> | <p> primer dimer formation primer set prior odds probability probe procaine proficiency Profiler Plus™ projectile Promega Corporation propanol propoxyphene propylate prostatic antigen (PA) Proteinase K (Pro K) pseudoephedrine psilocin psilocybin pubic combings pubic hair pull-up pump block Pyrodex pyrolysis </p> <p>Q</p> <p> qualitative Quanti-Blot™ Quantifiler™ Quantifiler Duo Quantifiler Trio quantitation quinine </p> <p>R</p> <p> R2 radial immunodiffusion radial ply radioimmunoassay (RIA) RAM (R6G-Ardrox-MBD) RANDOX reacting mixture reaction mixture reagent Real Time PCR refractive index retrograde extrapolation RFLP restriction enzyme restriction fragment length polymorphism (RFLP) reticle </p> |
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| retouching revolver Rhodamine 6G (R6G) ribonucleic acid (RNA) ricochet ridge dot ridge ending rifling rimfire rocket electrophoresis ROX RUVIS S salicylates salicylic acid saline saliva scale pattern scanning electrode microscope scar screen sear secobarbital sector semen seminal fluid separatory funnel septa sequence polymorphism serial number serif serration serum sevoflurane shoe sole short ridge short tandem repeat (STR) shotshell shutter speed silencer silica gel silver nitrate sinuosity skirted pellet slack slot blots sodium bicarbonate sodium carbonate | sodium fluoride sodium hydroxide sodium rhodizonate sodium tungstate software soluble solvent Southern blot Spatial calibrations spatula species species determination spectral calibrations spectrometer spectrometry (GC/MS) spectrophotometer spectroscopy (GC-FTIR) spectrum sperm fraction spermatozoa SpeWare® spike sport shoe spurious signature standard accelerant mix (SAM) stratum basale stimulant stippling Stratagene Stochastic threshold striations stringency stutter styrene substrate sulfuric acid super glue supernatant SWGDM synthetic cannabinoids syringe T TAMARA TaqMan Taq polymerase tattooing t-butylmethyl ether etrafluroethane 9-tetrahydrocannabinol tetrahydrocannabinol (THC) |
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| <p>Tetramethylbenzidine (TMB) tetranucleotide thebaine thermal cycler thermal mixers thermal profile <i>Thermus aquaticus</i> (Taq I) Theta correction thin layer chromatography (TLC) TH01 threshold thymine tick time exposures titer TMR toluene toolmark identification Toxi-Lab Toxicology TPOX track trajectory transform infrared tread design tremor trigger pull trinitrotoluene tripod triprolidine trough truncated turpentine TWGDAM</p> <p>U ultrasonic ultraviolet (UV) uncertainty under exposed unique urine Uritrace®</p> | <p>V vaginal smear slide vaginal swab validation vanillin variable number tandem repeats (VNTR) velocity verification vernier caliper virtual graphic array (VGA) vitreous humor vivacon void 1st or 2nd volatiles volatile organic compound volar pads volumetric volumetric flask vortex vWA</p> <p>W wad wad cutter Walker test Watesmo Western Blot wide angle Wing-Lynch film processor</p> <p>X x-ray fluorescence xylene</p> <p>Y yaw Y-chromosome Y-filer™</p> <p>Z Zwicker</p> |
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Please refer to the below for Toxicology Drug Names:

In Blood: http://www.dps.state.ia.us/DCI/lab/toxicology/Blood_Drug_Analysis.shtml

In Urine: http://www.dps.state.ia.us/DCI/lab/toxicology/Urine_Drug_Analysis.shtml