

# Abbreviations

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# Abbreviations

## 1 INTRODUCTION

The following is a list of commonly used abbreviations in Trace Evidence Unit (TEU) and Scientific and Biometrics Analysis Unit - Trace (SBAU-Trace) case notes. It is not intended to be an all-inclusive list. If an abbreviation is used that is not listed, and is specific to the laboratory, it will be defined in the case notes. Bigraph and trigraph country codes may be used to abbreviate countries. The lists for these codes are maintained on BUNET.

## 2 SCOPE

This document applies to individuals who perform examinations in the disciplines of Hairs and Fibers, Geology, and Anthropology.

## 3 ABBREVIATIONS

~, ≈, app, approx, aprx	approximate, approximately, approximation
\	because/therefore
β	birefringence
≠	does not equal, not consistent with, dissimilar, distinguishable, excluded
↑	evolves gas, high amount (number of arrows indicates strength of reaction, or amount, respectively)
↓	low amount/no gas evolution/all other hairs measured are shorter than this (hair)
(-)	negative
(?)	indicates uncertainty
	parallel
⊥	perpendicular
(+)	positive
=	consistent with, to the limit of the specific examinations performed, indistinguishable, included
→	to, into, transferred to, through
↕	warp direction
↔	weft direction
∅	absent
<O>	“fish eyes”
∠	angle
Δ	triangle, triangular, delta
abs	absent
ack	acknowledge
Afr	African
AH	animal hair

alt	alternates
am	antemortem
amt	amount
ANa	Asian or Native American
ana	anagen
ant	anterior
a-p	anterior-posterior/posterior-anterior
art trt, at, AT	artificially treated
assoc	associated
avg	average

Batt(s)	battery (ies)
bc	barcode
BH	Body hair
bkn	broken
bi, bilob	bilobal
bl	blue
blk	black
bpb	brown paper bag
br, brn	brown
brt	bright
bw, b/w, btw	between

C, cerv	Cervical
C(#)	cervical vertebra number #
calc	calcaneus
cat	catagen
CB	circuit board
cc, c/c	clear, colorless
C C M	cuticle / cortex / medulla (in description of known hair samples)
CF, cf	cortical fusi
char	characteristic(s)
chem	chemical
chg	change
CI	confidence interval
circum	circumference
co	cortex
comp	composition/components
compM	comparison microscopy
cont	continuous
conv	conversation
cort	cortical
CPI	crowns per inch

Cran	cranium/cranial
cs	cross section
CTF	carpet-type fiber
cu	cuticle
d, D, Dia, diam	diameter
del, delust, dl	delustered
Decid	deciduous
decomp	decomposing, decomposed/decomposition
delt	deltoid
dens	density
dent	dental
detc'd	detected
discont	discontinuous
dist, distr	distribution
dist	distal
DI H2O	deionized water
dk	dark
dtf	denim type fiber
ecto, ectocran	ectocranial
endo, endocran	endocranial
env	envelope
epicond, epicondyle	epicondylar
epiph	epiphysis/epiphyseal
EtOH	ethanol
Eur, Euro	European
Evid	evidence
exp / expl	explosive
ext	external
f(s)	fiber(s)
f/	fraction thereof or something is a function of something
fac	facial
fem	femur/femoral
fib	fibula
FH	facial hair
FLM	fluorescence light microscopy
for	foramen foramina
for mag	foramen magnum
fr, FR	forcibly removed
frac, fx	fracture

frag, frg	fragment
FSL	fiber slide
FTIR	Fourier Transform Infrared Spectroscopy

g, grn	green
gls	glass
gran	granules
GRIM	Glass Refractive Index Measuring system

h(s)	hair(s)
H&F, h/f, hf	hairs and fibers
HCl	hydrochloric acid
HH	head hair
Hisp	Hispanic
horiz	horizontal
HSL	hair slide
ht	height
hum	humerus
hv, hvy	heavy

I	Item
ICP	Inductively-coupled plasma
ID	identification
inf	inferior
innom	innominate
int	interior (anthro)
IP	In-processing
IPC	In-Processing Chain
IR	infra-red
Irr	irregular
isch	ischium/ischial (anthro)

Kn, KN	known
KNSL	known slide

L	left
l(#)	lumbar vertebra number #
LA	laser ablation
lab	labial
lat	lateral

Len, lgth	length
lg	large
lgth, Len	Length
LH(s)	Limb hair(s)
ling	lingual
lt	light
lust, l	lustrous
l vert	lumbar vertebra
LVFC	limited value for comparison
M, m	Medulla
maj	major
mand	mandible/mandibular
manuf, mfg	manufactured
max	maxilla
MC	metacarpal
md	median
ME	Medical Examiner
med	medial
med, Med	medium
MeOH	methanol
Mf	manufactured fiber
MI	medullary index
min	minimum
min	minor
misc	miscellaneous
MLNI	most likely number of individuals
m-l	medial-lateral/medio-lateral
MM	man made
mn	mean
MNI	minimum number of individuals
Mod, mod	moderate
MOD	modified
MR	mixed racial
MS	mass spectrometry
MSP	Microspectrophotometry
MT	metatarsal
mtd, mtnd, mt'd	mounted
mtDNA	mitochondrial DNA
MTFVTC	miscellaneous textile fibers, various types and colors
multi	when used in fiber notes or chart, multilobal
n	refractive index

na, N/A	not applicable
Nat	natural
Nat Amer	Native American
nc	refractive index at hydrogen c line
nd	refractive index at sodium d line
ndl	nondelustered
nDNA	nuclear deoxyribonucleic acid
nf	refractive index at hydrogen f line
NS	not suitable, not suitable for meaningful comparison purposes
NSFCP	not suitable for comparison purposes
NSFMCP	Not suitable for meaningful comparison purposes
NSFSCP	Not suitable for significant comparison purposes
NSFSI	not suitable for species identification
N/STF VTC	natural & synthetic textile fibers, various types and colors
NTF	natural textile fiber
num	number
Nut	nutrient
Ob, OB	ovoid body
occ	occasional(ly)
OES	optical emission spectrometry
or, org	orange
orb	orbital
OTFVTC	other textile fibers various types and colors
part	partial/partially
PB, pbx	pillbox
pcs	pieces
pf, pfd, ppf, ppfd	paperfold
pg	page
PH	pubic hair
Phal	phanlanx/phalange(s)
pig gran	pigment granules
pig	pigment
Pkg'd	packaged
PLM, pol scope	polarized light microscopy/microscope
PMI	postmortem interval
poly	polyester
post	posterior
pp	processing plan
ppl	purple
PR	processing room
pred	predominantly

proj	projectile
prot	protrusion
prox	proximal
PS	physical scientist
pt	point
pub	pubis/pubic
R, r, rt	right
rad	radius
r/br	reddish brown
rd, rnd	round, rounded
re	regarding
rec, rec'd	received
rel	relative(ly)
ret'd	returned
RI, ri	refractive index
Rnd, rd	round, rounded
ROW	Rest of World (indicates outside of Iraq and Afghanistan theaters)
rs, RS, R/S	representative sample
rt(s)	root(s)
rzr	razor
S	suspect
S(#)	sacral segment number #
sag	sagittal
scap	scapula
scope	microscope
SCR	silicon controlled rectifier
S/D, S&D	similarities and differences
SE, sec ev, Sec Evid	secondary evidence
SEI	secondary evidence inventory
SEM-EDS	scanning electron microscopy-energy dispersive spectroscopy
sev	several
SF	synthetic fiber
sim	similar
skel	skeletal/skeletal
sl, sld	slide
slt	slight
sm	small
SN, S/N	Serial Number
spec	specimen
SR	Scraping Room
s/r	stretched root
stat	stature



std	standard
str	stretched, stretched root
subtroc	subtrochanteric
sup	superior
sut	suture
sym, symph	symphysis
syn	synthetic

t, th, thk	thickness
T(#)	thoracic vertebra number
TC, telcall, telcal, TX	telephone call
TCI	thread count per inch
tel	telogen
TF	textile fibers
TFVTC	textile fibers, various types and colors
therm	thermal
thor, T	Thoracic
tis	tissue
tpd	tapered
tr	trace
trans	transferred
transl	translucent
trans'l	transitional
transv	transverse
triang	triangular
tri, trl	trilobal
troc	trochanter
trt	treated
TSD	time since death
tub	tubercle/tuberosity

UNK	unknown
UV	ultraviolet

v	very
V	victim
vac	vacuum filter
var	variable, variation
vert	vertical/vertebra(e)
vis	visible

W, wid	width
w/	with
wht	white
w/o	without
wt	weight
WTF	wig type fiber
xline	crystalline
XRD	X-ray diffraction
XRF	X-ray fluorescence
x-section, x-sect, XS	cross-section
xtl	crystal
yel	yellow
zyg, zygo	zygomatic

#### 4 REVISION HISTORY

Revision	Issue Date	Changes
10	05/03/2021	Changed 'category of testing' to 'discipline' and the discipline names in the Scope. Updated ≠ and = to include language consistent with the ULTR. Added 'delta' to Δ.
11	01/28/2022	Reformatted. Added MLNI, MNI, PMI, TSD. Removed verte.