

Abbreviations

$(\text{CH}_3)_2 \text{AsOO-}$	Dimethyl arsinic peroxy radical
$(\text{CH}_3)_2\text{As-}$	Dimethyl arsenic radical
17 β - HSD	17-beta-hydroxysteroid dehydrogenase
ACTH	Adrenocorticotropic hormone
APS	Ammonium persulphate
AS ₃ MT	Arsenic methyltransferase
ATF	Atretic follicles
ATP	Adenosine triphosphate
BAL	British Anti Lewsite
BSA	Bovine serum albumin
CAT	Catalase
CD	Conjugated Dienes
CPCSEA	Committee for the Purpose of Control and Supervision on Experiments on Animals
DHEA	Dehydroepiandrosterone
DMA ^{III}	Dimethylarsinous acid
DMA ^V	Dimethylarsenic acid
DMPS	2,3- dimercaptopropane sulfonic acid
DMSA	Meso 2,3-dimercapto-succinic acid
DNA	Deoxyribonucleic acid
DTNB	5,5-dithio-bis-(2-nitrobenzoic acid)
Dvr1	Decapentaplegic VG related 1
EDTA	Ethylenediaminetetraacetic acid
Esr 1	Estradiol receptor 1

eTHF	Ethyltetrahydrofolate
FSH	Follicle stimulating hormone
g	Gravitational force
GF	Graafian follicles
gm	Gram
GnRH	Gonadotrophin releasing hormone
GPx	Glutathione peroxidase
GSH	Reduced glutathione
H ₂ O ₂	Hydrogen peroxide
Hcl	Hydrochloric acid
Hcy	Homocysteine
HPLC	High performance liquid chromatography
HRP	Horse radish peroxidase
IL-6	Interleukin 6
LAF	Large antral follicles
LDH	Lactate dehydrogenase
LH	Luteinizing hormone
LPAF	Large preantral follicles
M	Molar
mA	Miliampere
MAF	Medium antral follicles
MDA	Malondialdehyde
mg	Mili gram
Min	Minute
ml	Milliliter

mM	Mili molar
MMA ^{III}	Monomethylarsonous acid
MMA ^V	Monomethylarsonic acid
MPA	Metaphosphoric acid
MT-1	Metallothionein-1
Na ₂ HPO ₄	Disodium hydrogen phosphate
NaCl	Sodium chloride
NAD	Nicotinamide adenine dinucleotide
NADH	Reduced nicotinamide adenine dinucleotide
NADP	Nicotinamide adenine dinucleotide phosphate
NADPH	Reduced nicotinamide adenine dinucleotide phosphate
NaH ₂ PO ₄	Sodium dihydrogen phosphate
NaOH	Sodium hydroxide
NBT	Nitro blue tetrazolium chloride
NF-κ B	Nuclear factor kappa B
nm	Nano metre
NPSH	Non-protein soluble thiol
OD	Optical density
PAGE	Poly-acrylamide gel electrophoresis
PBS	Phosphate buffer saline
Px	Peroxidase
ROS	Reactive oxygen species
SAF	Small antral follicles
SAM	S-adenosylmethionine
SDS	Sodium dodecyl sulfate

SE	Standard error
SGOT	Serum glutamic oxaloacetic transaminase
SGPT	Serum glutamate-pyruvate transaminase
SOD	Super oxide Dismutase
SPAF	Small preantral follicles
TBA	Thiobarbituric acid
TCA	Tri-chloroacetic acid
TEMED	Tetra-methyl ethylenediamine
TMB	3,3',5,5'- Tetramethylbenzidine
TNF- α	Tumor necrosis factor alpha
V	Volt
$\Delta 5, 3\beta$ -HSD	Delta-5, 3-beta-hydroxysteroid dehydrogenase
μg	Micro gram
μL	micro litre
μM	Micro molar