

Abbreviations

17 β HSD- 17 β hydroxysteroid dehydrogenase	DHBS - 3,5 Dicloro-2-hydroxy benzene sulphate
17 β -HSOR-17 β Hydroxy steroid oxidoreductase	DHEA-S - dehydroepiandrosterone sulfate
3 β HSD- 3 β hydroxysteroid dehydrogenase	DM- diabetes mellitus
3 β -HSD1-3 β -hydroxysteroid dehydrogenase	EDTA- Ethylenediaminetetraacetic acid
ALP - Alkaline phosphatase	EGTA- Ethylene Glycol Tetra Acetic acid
ALP - alkaline phosphatase	EI - Electron Impact
ALP- alkaline phosphatase	EPL - early pregnancy loss
APS - Ammonium persulphate	EPL- early pregnancy loss
AR- Androgen receptor	ER- Estrogen receptor
AT- adipose tissue	ERs- estrogen receptor
AUC- area under curve	FA- Fresh <i>Aloe vera</i> gel
AVG- <i>Aloe vera</i> gel	FC- Folin & Ciocalteu's
AVG- <i>Aloe vera</i> gel	FOA- Formulated <i>Aloe vera</i> gel
BSA- Bovine serum albumin	FSHR- Follicle stimulating hormone receptor
CDH1 - Cadherin-1	G-3-Phosphate - Glycerol-3-Phosphate
CDNB - 1-chloro, 2,4- dinitrobenzene	GC MS- Gas chromatography mass spectrometry
CDNB- 1-chloro-2,4dinitrobenzene	GC-MS - Gas chromatography and mass spectroscopy
CE - cholesterol esterase	GK - Glycerol Kinase
CMC- Carboxymethylcellulose	GOD- Glucose Oxidase
CMC- Carboxymethylcellulose	GPO -G-3-Phosphate Oxidase
CO - cholesterol oxidase	GSH - reduced glutathione
CuSO ₄ .5H ₂ O- Copper sulphate	GST- glutathione S-transferase
Cyt C- cytochrome P450 oxidoreductase	GST- Glutathione-S-Transferase
DAB - 3, 3'-diaminobenzidine	Hb- Haemoglobin
DEPC- Diethyl pyrocarbonate	HBSS - Hank's Balanced Salt Solution
DHAP - Dihydroxy acetone phosphate	

hCG - human chorionic gonadotropin
HDL - High density lipoproteins
HPLC - High Pressure Liquid Chromatography
HPLC- High pressure liquid chromatography
HPTLC - High Performance Thin Layer chromatography
HPTLC- High performance thin layer chromatography
HRP - Horseradish peroxidase
HSOR- Hydroxy Steroid Oxidoreductase
IGF-1 - Insulin like growth factor-1
IGFBP-I - insulin-like growth factor binding protein
IGF-I - insulin-like growth factor I
INT - Iodo Nitro Tetrazolium Chloride
IR- Insulin receptor
K₂HPO₄- Di-potassium Hydrogen Phosphate
LB Reagent - Libermann-Burchard reagent
LH- Luteinizing hormone
LHR- Luteinizing hormone receptor
LOD - limit of detection
LOQ - limit of quantitation
MMPs - Matrix metalloproteinases
NADH- Nicotinamide adenine dinucleotide reduced
NaF- Sodium Fluoride
NaH₂PO₄.2H₂O- Sodium dihydrogen phosphate dehydrate
NaOH- Sodium hydroxide
OGTT- Oral glucose tolerance test
PCOS - Polycystic ovarian syndrome

PMSF- Phenyl Methane Sulfonyl Fluoride
PNP - p-Nitrophenol
pNPP- para-Nitrophenylphosphate
POD- Peroxidase
PTA - Phosphotungstic acid
RT PCR - Reverse Transcriptase Polymerase chain reaction
RT- Retention time
RT-PCR- Reverse transcription Polymerase Chain Reaction
SDS- Sodium Dodecyl Sulphate
SGPT- Serum Glutamate Pyruvate Transaminase
SGPT- Serum glutamic pyruvic transaminase
SHBG - circulating sex hormone binding globulin
SHBG- sex hormone binding globulin
StAR - Steroidogenic Acute Regulatory protein
STS - steroid sulfatase
TCM- traditional chinese medicines
TEMED – Tetramethylethylenediamine
TLC - Thin Layer chromatography
TLC- Thin layer chromatography
TMB- 3,3',5,5'-Tetramethylbenzidine
TNF α - Tumor necrosis factor- α
UDPGT- UDP-glucuronosyltransferases
WB - Western Blot