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**Toxicological effects of Ciprofloxacin
and/or Diclofenac in albino rats**

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التأثيرات السمية لعقاري سيبروفلوكساسين وديكلوفيناك في ذكور الجرذان

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List of Abbreviations

CIP	Ciprofloxacin
DNA	Deoxyribonucleic acid
cDNA	Complementary DNA
DicS	Diclofenac sodium
HPLC	High-pressure liquid chromatography
SOD	Superoxide dismutases
GSH	Glutathione
CYPs	Cytochrome P450 enzymes
CYP 4501A	Cytochromes P4501A
CYP P450	Cytochromes P450
CYP3A4	Cytochromes P3A4
CYP3A2	Cytochromes P3A2
CYP1A2	Cytochromes P1A2
CYP2C11	Cytochromes P2C11
UTI	Urinary tract infections
RTI	Respiratory tract infections
FDA	Food and Drug Administration
GIT	Gastrointestinal tracts
LD50	Lethal dose 50%
COX-2	Cyclooxygenase-2
NSAIDs	Nonsteroidal anti-inflammatory drugs
T/P ratio	Tatio of drug concentration in the tissue to that in plasma at the steady
AUC	Area under the curve
C(max)	Maximum plasma concentration
t(max)	Time to reach maximum plasma concentration
ADME	Absorption, distribution, metabolism, and excretion
RNA	Ribonucleic acid
mRNA	Messenger ribonucleic acid
miRNAs	Micro ribonucleic acid
SOD	Superoxide dismutase
ROS	Reactive Oxygen Species
UPLC	Ultra-Performance Liquid Chromatography
LC - MS	Liquid chromatography–mass spectrometry
UV	Ultraviolet
LOD	Limit of Detection
LOQ	Limit of Quantitation
LLOQ	lower limit of quantification

QC	Quality control
DDI	Drug-drug interaction
MIC	Minimum inhibitory concentration
PFD	Polymeric fibre device
pH	Hydrogen ion concentration of a solution
MMER	Molecular mechanics energy relationships
CE	Capillary electrophoresis
RSD	Relative standard deviation
RT-	Real-time
RT-PCR	Real-time polymerase chain reaction
Hb	Hemoglobin
RBCs	Red blood cells
PCV	Packed cell volume
MCV	Mean corpuscular volume
MCH	Mean corpuscular hemoglobin
MCHC	Mean corpuscular hemoglobin concentration
WBCs	White blood cells
AST	Aspartate aminotransferases
ALT	Alanine aminotransferases
ALP	Alkaline phosphatase
IS	internal standard
rpm	Revolutions per minute
TQ detector	Tandem quadrupole detector
ESI	Electrospray ionization
MRM	Multiple reactions monitoring mode
IS	Internal standard
DEPC	Diethylpyrocarbonate
SEM	Standard error mean
SPSS	Statistical Package for the Social Sciences
r^2	Correlation Coefficient

SD	Standard deviation
ANOVA	Analysis of variance
m/z	Mass-to-charge ratio
KSU	King Saud University
GP _x	Glutathione Peroxidase
GOT	Glutamic-oxaloacetic transaminase
MDH	Malate dehydrogenase
NAD	Nicotinamide adenine dinucleotide
CSF	Cerebrospinal fluid
Abs	Absorbance
GPO	Glycerol-phosphate oxidase
HPO	Horseradish peroxidase
DHBS	3,5-Dichloro-2-hydroxybenzenesulfonic acid
ATP	Adenosine triphosphate
ADP	Adenosine Diphosphate
NBT	Nitro blue tetrazolium
PMS	Methosulfate
T.P.	total protein
CRE	Creatine
BUN	Blood urea nitrogen
HDL	high-density lipoproteins.
TIBC	Total Iron Binding Capacity
GFR	Glomerular filtration rate
LY.	Lymphocytes
NE.	Neutrophils
EO.	Eosinophils
MO.	Monocytes
HCT	Hematocrit
PLT.	Platelets
CAT	Catalase
DILI	Drug-induced liver injury
NSAIDs	Non-steroidal anti-inflammatory drugs