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### ABBREVIATIONS

%	percentage
μg	microgram
μl	microlitre
μM	micromolar
Abs	absorbance
ATP	adenosine tri-phosphate
BSA	bovine serum albumin
CuCl <sub>2</sub>	cupric chloride
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
Cu (II)	cupric ion
Cu	copper
dL	deciliter
DNA	deoxyribonucleic acid
DPA	diphenylamine
EDTA	ethylene diamine tetra-acetic acid
FeCl <sub>2</sub>	ferrous chloride
Fe(II)	ferrous ion
g	gram
HCl	hydrochloric acid
L	litre

LDH	lactate dehydrogenase
M	molar
MDA	malondialdehyde
mg	milligram
mL	millilitre
mM	millimolar
N	Normal
N <sub>2</sub>	nitrogen
NaOH	sodium hydroxide
nm	nanometer
NO	nitric oxide
O <sub>2</sub>	oxygen
°C	degree Celsius
PARP	poly ADP ribose polymerase
RNA	ribonucleic acid
S	sodium azide
T	thiourea
TAE	Tris Acetate EDTA
TBA	thiobarbituric acid
TD	reaction contained DNA dissolved in Tris-HCl
TD500BC	reaction in Tris-HCl contained 500 µg DNA, bilirubin and cupric chloride
TDB	reaction in Tris-HCl contained DNA and bilirubin

TDBC	reaction in Tris-HCl contained DNA, bilirubin and cupric chloride
TDBCM	reaction in Tris-HCl contained DNA, bilirubin, cupric chloride and mannitol
TDBCS	reaction in Tris-HCl contained DNA, bilirubin, cupric chloride and sodium azide
TDBCT	reaction in Tris-HCl contained DNA, bilirubin, cupric chloride and thiourea
TDBF	reaction in Tris-HCl contained DNA, bilirubin and ferrous chloride
TDBFM	reaction in Tris-HCl contained DNA, bilirubin, ferrous chloride and mannitol
TDBFS	reaction in Tris-HCl contained DNA, bilirubin, ferrous chloride and sodium azide
TDBFT	reaction in Tris-HCl contained DNA, bilirubin, ferrous chloride and thiourea
TDBM	reaction in Tris-HCl contained DNA, bilirubin and mannitol
TDBS	reaction in Tris-HCl contained DNA, bilirubin and sodium azide
TDBT	reaction in Tris-HCl contained DNA, bilirubin and thiourea
TDBZ	reaction in Tris-HCl contained DNA, bilirubin and zinc chloride
TDBZM	reaction in Tris-HCl contained DNA, bilirubin, zinc chloride and mannitol
TDBZS	reaction in Tris-HCl contained DNA, bilirubin, zinc chloride and sodium azide
TDBZT	reaction in Tris-HCl contained DNA, bilirubin, zinc chloride and thiourea

TDC	reaction in Tris-HCl contained DNA and cupric chloride
TDM	reaction in Tris-HCl contained DNA and mannitol
TDS	reaction in Tris-HCl contained DNA and sodium azide
TDT	reaction in Tris-HCl contained DNA and thiourea
TDZ	reaction in Tris-HCl contained DNA and zinc chloride
TDZM	reaction in Tris-HCl contained DNA, zinc chloride and mannitol
TDZS	reaction in Tris-HCl contained DNA, zinc chloride and sodium azide
TDZT	reaction in Tris-HCl contained DNA, zinc chloride and thiourea
UCB	unconjugated bilirubin
UGT1A1	UDP glucuronosyltransferase 1 family, polypeptide A1
UV	ultraviolet
ZnCl <sub>2</sub>	zinc chloride
Zn	zinc