

LIST OF ABBREVIATIONS

^{99m} Tc	Technetium-99m
ANOVA	Analysis of Variance
CBP	Carboplatin
CMA	Critical material attributes
CPCSEA	Committee for the Purpose of Control and Supervision of Experiments on Animals
CPP	Critical process parameters
CQA	Critical quality attributes
DES	Diethylstilbestrol
DI	Deformability Index
DMEM	Dulbecco's modified eagle medium
DMSO	Dimethylsulfoxide
DoE	Design of Experiment
DSC	Differential Scanning Calorimetry
DSPC	1,2-Distearoyl-sn-glycero-3-phosphocholine
DTPA	Diethylene Triamine Penta Acetic Acid
EC	Endometrial Cancer
EDTA	Ethylene Diamine Tetra Acetic Acid
EggPC	L- α -phosphatidylcholine, Egg
EPR	Enhanced Permeation and Retention
FACS	Fluorescence Activated Cell Sorting
FBS	Fetal bovine serum
FITC	Fluoresceine isothiocyanate
FTIR	Fourier Transform Infrared spectroscopy
FUPE	First Uterine Pass Effect
HPLC	High Performance Liquid Chromatography
HSPC	1,2-Diacyl-sn-glycero-3-phosphocholine, hydrogenated
IAEC	Institutional Animal Ethics Committee
ICH	International Council on Harmonization
IPA	Iso-Propyl Alcohol
ITLC	Instant Thin Layer Chromatography
LOD	Limit of Detection
LOQ	Limit of Quantification
MCF 7	Michigan Cancer Foundation-7
min	Minute
mL	Millilitre
MTT	(Dimethylthiazol-2-yl) 2,5-diphenyl-tetrazolium bromide
mV	Millivolts
MW	Molecular weight

NCCS	National Centre for Cell Science
nm	Nanometre
PBS	Phosphate Buffer Saline
PDI	Polydispersity Index
PTX	Paclitaxel
QbD	Quality by Design
QTPP	Quality target product profile
RBF	Round Bottom Flask
RH	Relative Humidity
RPM	Rotations Per Minute
RSD	Relative Standard Deviation
RSM	Response Surface methodology
RT	Retention time
SD	Standard deviation
SDC	Sodium deoxycholate
SPC	1,2-Diacyl-sn-glycero-3-phosphocholine, Soy
TEM	Transmission Electron Microscopy
UDNVs	Ultradeformable nano-vesicles