

ABBREVIATIONS

Ab	Antibody
AFM	Atomic Force Microscopy
aPTT	Activated partial thromboplastin time
BHI	Brain Heart Infusion
CFU	Colony-forming units
CO ₂	Carbon dioxide
COOH	Carboxyl group
CPDA	Citrate phosphate dextrose with adenine
CVD	Chemical Vapor Deposition
DEM	Diethyl maleate
DCFH-DA	2,7-dichlorofluorescein diacetate
DCF	Dichlorofluorescein
<i>E.coli</i>	Escherichia coli
ECGS	Endothelial Cell Growth Supplement
EDAX	Energy dispersive X-ray spectrum
ED	Electron diffraction
EDTA	Ethylene Diamene Tetra Acetic Acid
f-G	Functionalized graphene
FACS	Fluorescence Activated Cell Sorter
FBS	Fetal Bovine Serum
FSC	Forward scatter
Hb	Hemoglobin
HBSS	Hanks Balanced Salt Solutions
H ₂ SO ₄	Sulphuric Acid
H ₃ PO ₄	Phosphoric Acid
HCl	Hydrochloric Acid
hMSC	Human Mesenchymal Stem Cells
HNO ₃	Nitric Acid
HRP	Horseradish Peroxidase
HUVECs	Human umbilical vein endothelial cells
ICP	Inductively Coupled Plasma
IEC	Institute Ethical Committee
IL	Interleukin
IMDM	Iscove's Modified Dulbecco's Medium

INT	Iodonitrotetrazolium
KOH	Potassium Hydroxide
LAL	Limulus Amoebocyte Lysate
LB	Luria-Bertani
LDH	Lactate dehydrogenase
LMPA	Low melting point agarose
LPS	Lipopolysaccharide
MEM	Minimum Essential Medium
MgSO ₄	Magnesium sulfate
ml	Millilitre
NCCS	National Centre for Cell Science
NaCl	Sodium chloride
NaOH	Sodium Hydroxide
NCs	Nanocrystals
NHDF	Normal Human Dermal Fibroblasts
NMA	Normal Melting Agarose
nm	Nanometer
<i>p</i> -G	Pristine graphene
PBS	Phosphate Buffer Saline
PBMC	Peripheral blood mononuclear cells
PHA-M	Phytohemagglutinin
PEG	Polyethylene glycol
PI	Propidium Iodide
PT	Prothrombin time
PPP	Platelet poor plasma
PRP	Platelet rich plasma
PS	Phosphatidylserine
RT-PCR	Real Time- Polymerized Chain Reaction
<i>S.aureus</i>	Staphylococcus aureus
SEM	Scanning Electron Microscopy
SSC	Side scatter
TEM	Transmission electron microscopy
TiO ₂	Titanium dioxide
XRD	X-ray Diffraction
Zn(CH ₃ COO) ₂	Zinc acetate
ZnO	Zinc Oxide
µg	Microgram