

LIST OF ABBREVIATIONS

AM	=	amnion
ANOVA	=	analysis of variance
aP2	=	fatty acid binding protein
Asc	=	ascorbic acid
BM	=	bone marrow
BM-MSCs	=	bone marrow mesenchymal stem cells
BMPs	=	bone morphogenetic proteins
BDGF	=	brain-derived growth factor
bFGF	=	basic fibroblast growth factor
β -gp	=	β -glycerophosphate
β -gal	=	β -galactosidase
$^{\circ}$ C	=	degree of Celsius
CD	=	cluster of differentiation
CDMPs	=	cartilage derived morphogenetic proteins
CFSE	=	5(6)-carboxyfluorescein diacetate <i>N</i> -succinimidyl ester
CFU-F	=	colony forming unit fibroblast
cm	=	centimeter
CO ₂	=	carbondioxide
Dex	=	dexamethasone
DCs	=	dendritic cells
Dkk-1	=	dickkopf-1
DMEM	=	Dulbecco's Modified Eagle's Medium
DMSO	=	dimethyl sulfoxide
EGF	=	epithelial growth factor
<i>et al.</i>	=	et alii
ES cells	=	embryonic stem cells
FBS	=	fetal bovine serum
FGF-2	=	fibroblast growth factor-2
FITC	=	fluorescein isothiocyanate

LIST OF ABBREVIATIONS (Continued)

FACS	=	fluorescence activated cell sorting
Fig.	=	figure
g	=	gram
G-CSF	=	granulocyte colony-stimulating factors
GFP	=	green fluorescent protein
GM-CSF	=	granulocyte-macrophage colony-stimulating factor
GvHD	=	graft versus host disease
h	=	hour
HB-EGF	=	heparin-binding epidermal growth factor
HGF	=	hepatocyte growth factor
Hh	=	Hedgehog family
HLA	=	human leukocyte antigen
HSCs	=	hematopoietic stem cells
HSCT	=	hematopoietic stem cell transplantation
IBMX	=	isobutylmethylxanthine
ICM	=	inner cell mass
IFN- γ	=	interferon γ
IGF	=	insulin-like growth factor
Indo	=	indomethacin
LIF	=	leukemia inhibitory factor
Lin	=	lineage
LPL	=	lipoprotein lipase
M	=	molar (concentration)
MAP	=	mitogen-activated protein
MEF	=	mouse embryonic fibroblast
mg	=	milligram
MHC	=	major histocompatibility complex
mES cells	=	mouse embryonic stem cells
hES cells	=	human embryonic stem cells

LIST OF ABBREVIATIONS (Continued)

min	=	minute
ml	=	millilitre
mM	=	millimolar
MNCs	=	mononuclear cells
MLR	=	mixed lymphocyte reaction
MPPs	=	multipotent progenitors
MSCs	=	mesenchymal stem cells
mol	=	mole
NaOH	=	sodium hydroxide
NAFT	=	nuclear factor of activated T cell
neoR	=	neomycin phosphotransferase gene
OI	=	ostegenesis imperfecta
PTHrP	=	parathyroid hormone related peptide
PB	=	peripheral blood
PB-MNCs	=	peripheral blood mononuclear cells
PBS	=	phosphate buffered saline
PCs	=	parenchymal cells
PE	=	phycoerythrin
PDGF	=	platelet derived growth factor
PHA	=	phytohemagglutinin
PL	=	placenta
PL-MSCs	=	placenta mesenchymal stem cells
PPAR- γ	=	peroxisome proliferators-activated receptor-gramma
PTHrP	=	parathyroid hormone related peptide
SCF	=	stem cell factor
SDF-1	=	stromal derived factor-1
SEM	=	standard error of the mean
SOS	=	sinusoidal obstruction syndrome
TGF- β	=	transforming growth factor- β
UV	=	ultraviolet

LIST OF ABBREVIATIONS (Continued)

UC	=	umbilical cord
UC-MSCs	=	umbilical cord mesenchymal stem cells
UCB	=	umbilical cord blood
VOD	=	veno-occlusive disease
WJ	=	Wharton's jelly
WJ-MSCs	=	Wharton's jelly mesenchymal stem cells
µg	=	microgram
7-ADD	=	7-amino-actinomycin D
%	=	percentage