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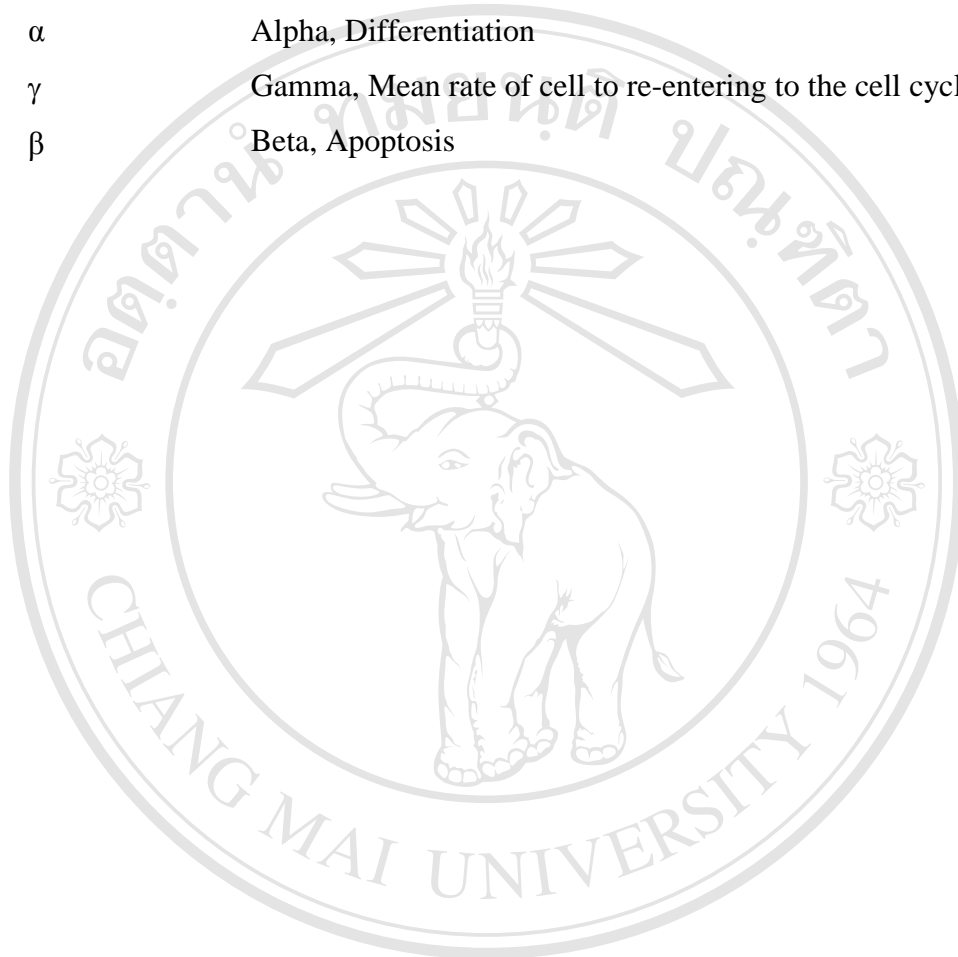
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## LIST OF ABBREVIATIONS

°C	Degree Celsius
ECM	Extracellular Matrix
FBS	Fetal bovine serum
G-CSF	Granulocyte-colony stimulating factor
hr	Hour
H&E	Hematoxylin and Eosin
HCl	Hydrochloric
HS	Human serum
HSCs	Hematopoietic Stem cells
MD-DPBS	Modified-Dulbecco's Phosphate Buffered Saline
mL	Milliliter
MSCs	Mesencymal Stem cells
PBMCs	Peripheral Blood Mononucleated cells
PBSCs	Peripheral Blood Stem cells
PI	Propidium iodide
PVDF	Polyvinylidene fluoride
RBC	Red blood cell
rpm	Round per minute
SEM	Scanning Electron Microscope
μL	Microlitre
2D	Two-dimensions
3D	Three-dimensions

## LIST OF SYMBOLS

$\alpha$	Alpha, Differentiation
$\gamma$	Gamma, Mean rate of cell to re-entering to the cell cycle
$\beta$	Beta, Apoptosis



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