

A Simple Pit Assay Protocol to Visualize and Quantify Osteoclastic Resorption *In Vitro*

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Materials

Name	Company	Catalog Number	Comments
AgNO ₃	SERVA Electrophoresis GmbH	35110	Silver nitrate
a-MEM	Gibco	32561-029	MEM alpha, GlutaMAX, no nucleosides
amphotericin B	Biochrom	03-028-1B	Amphotericin B Solution
CaCl ₂	Sigma-Aldrich	21097-50G	Calcium chloride Dihydrate
Calcein	Sigma-Aldrich	C0875	Calcein
FBS	Sigma-Aldrich	F7524	fetal bovine serum
Ficoll	Cytiva	17144002	Ficoll Paque Plus
Fixation buffer	Biologend	420801	Paraformaldehyde
HCl	Merk	1.09057.1000	Hydrochloric acid
Hoechst 33342	Promokine	PK-CA707-40046	Hoechst 33342
M-CSF	PeproTech	300-25	Recombinant Human M-CSF
MgCl ₂	Sigma-Aldrich	7791-18-6	Magnesium chloride
Na ₂ HPO ₄	AppliChem GmbH	A2943,0250	di- Sodium hydrogen phosphate anhydrous
NaCl	Merk	S7653-250G	Sodium chloride
NaHCO ₃	Merk	K15322429	Bicarbonate of Soda
PBS	Lonza	17-512F	Dulbecco's Phosphate Buffered Saline (1X), DBPS without Calcium and Magnesium
Pen-Strep	Lonza	DE17-602E	Penicillin-Streptomycin Mixture
Phalloidin-Alexa Fluor 546	Invitrogen	A22283	Alexa Fluor 546 Phalloidin
RANKL	PeproTech	310-01	Recombinant Human sRANK Ligand (E.coli derived)
Tris	Sigma-Aldrich	93362	Tris(hydroxymethyl)aminomethan
Triton X-100	Sigma-Aldrich	T8787	Alkyl Phenyl Polyethylene Glycol
TrypLE Express	Gibco	12605010	Recombinant cell-dissociation enzymes