

Materials List for

**Tartrate-Resistant Acid Phosphatase Staining: An *In Vitro* Technique to Detect TRAP Enzyme-Containing Cultured Osteoclasts**

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**Materials**

Name	Company	Catalog Number	Comments
Raptorfl/fl mice	The Jackson Laboratory	13188	
Ctsk-cre mice			a gift from S. Kato, University of Tokyo, Tokyo, Japan
α-MEM	Corning	10-022-CVR	
Glutamine	Gibico	25030081	
Penicillin streptomycin	Gibico	15140122	
Fetal calf serum	BioInd	04-001-1A	
Recombinant mouse M-CSF protein	R&D	Q3U4F9	
Recombinant mouse RANKL protein	R&D	Q3TWY5	
RBC lysis buffer	Beyotime	C3702	
Trypan blue	Sigma-Aldrich	302643	
Acetone	Shanghai Chemical Co. Ltd.		
Citrate solution	Sigma-Aldrich	915	
Formaldehyde solution	Shanghai Chemical Co. Ltd.		
Acid Phosphatase, Leukocyte (TRAP) Kit	Sigma-Aldrich	387A-1KT	
Fast Garnet GBC Base solution	Sigma-Aldrich	3872	
Sodium Nitrite Solution	Sigma-Aldrich	914	
Naphthol AS-BI Phosphate Solution	Sigma-Aldrich	3871	
Acetate solution	Sigma-Aldrich	3863	
Tartrate solution	Sigma-Aldrich	3873	
Dulbecco's phosphate-buffered saline	Corning	21-031-CVR	
37% formaldehyde	Xilong scientific		
IX71	Olympus		
0.45-mm Syringe			
Scissor			
Mosquito forcep			