

Materials List for:

A Novel *in vivo* Gene Transfer Technique and *in vitro* Cell Based Assays for the Study of Bone Loss in Musculoskeletal Disorders

Dennis J. Wu¹, Neha Dixit¹, Erika Suzuki¹, Thanh Nguyen², Hyun Seock Shin¹, Jack Davis², Emanuel Maverakis³, Iannis E. Adamopoulos^{1,2}

¹Division of Rheumatology, Allergy and Clinical Immunology, University of California, Davis

²Institute for Pediatric Regenerative Medicine, Shriners Hospitals for Children - Northern California

³Department of Dermatology, University of California, Davis

Correspondence to: Iannis E. Adamopoulos at iannis@ucdavis.edu

URL: <https://www.jove.com/video/51810>

DOI: [doi:10.3791/51810](https://doi.org/10.3791/51810)

Materials

Name	Company	Catalog Number	Comments
alpha-MEM	Life Technologies	12561-056	
Human M-CSF	Miltenyi Biotec	130-096-492	
Mouse M-CSF	Miltenyi Biotec	130-094-643	
Human RANK-Ligand - soluble	Miltenyi Biotec	130-094-631	
Mouse RANK-Ligand - soluble	Miltenyi Biotec	130-094-076	
Tailveiner Restraint for mice	Braintree	TV-150 STD	
Mouse TRANCE/RANK L/ TNFSF11 Quantikine ELISA Kit	R&D systems	MTR00	
Acid Phosphatase, Leukocyte (TRAP) Kit	Sigma	387A	
Mouse TRAP assay	immunodiagnostic systems	SB-TR103	