

Materials List for:

Distinctive Capillary Action by Micro-channels in Bone-like Templates can Enhance Recruitment of Cells for Restoration of Large Bony Defect

Daniel S. Oh¹, Alia Koch¹, Sidney Eisig¹, Sahng Gyoon Kim², Yoon Hyuk Kim³, Do-Gyoon Kim⁴, Jae Hyuck Shim⁵

¹Oral and Maxillofacial Surgery, Columbia University

²Endodontics, Columbia University

³Mechanical Engineering, Kyung Hee University, South Korea

⁴Orthodontics, The Ohio State University

⁵Pathology, Weill Cornell Medical College

Correspondence to: Daniel S. Oh at dso2113@cumc.columbia.edu

URL: <https://www.jove.com/video/52947>

DOI: [doi:10.3791/52947](https://doi.org/10.3791/52947)

Materials

Name	Company	Catalog Number	Comments
polyurethan sponge	Plastifoam	PU-3215	
Sodium Hydroxide	Sigma-Aldrich	167176	
Hydroxyapatite Powder	Ossgen		
Polyvinyl Alcohol	Sigma-Aldrich	341584	
Carboxymethyl cellulose sodium salt	Sigma-Aldrich	360384	
ammonium polyacrylate	Vanderbilt	DARVAN 821A	
Glycerin	Sigma-Aldrich	G2289	