

## Supplementary Information for

# Redesigning of 3-Dimensional Vascular-Muscle Structure Using ADSCs/HUVECs Co-Culture and VEGF on Engineered Skeletal Muscle ECM

Abbas Heidari Moghadam, Ph.D.<sup>1,2</sup>, Vahid Bayati, Ph.D.<sup>1,2\*</sup>, Mahmoud Orazizadeh, Ph.D.<sup>1,2</sup>, Mohammad Rashno, Ph.D.<sup>1</sup>

1. Cellular and Molecular Research Center, Medical Basic Sciences Research Institute, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

2. Department of Anatomical Sciences, Faculty of Medicine, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

*\*Corresponding Address: Cellular and Molecular Research Center, Medical Basic Sciences Research Institute, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran  
Email: bayati-v@ajums.ac.ir*

**Table S1:** All experimental groups and subgroups in monoculture and co-culture

Groups	Subgroups	Culture medium
ADSCs	Control group (C)	DMEM/Ham's F12 (1:1)
	Differentiation group with horse serum	DMEM/HS and 5-azacytidine
	Differentiation group with horse serum and VEGF	DMEM/HS and 5-azacytidine+50 ng/μl VEGF
ADSCs and HUVECs Co-culture	Control group (C)	DMEM/Ham's F12 (1:1)
	Differentiation group with horse serum	DMEM/HS and 5-azacytidine
	Differentiation group with horse serum and VEGF	DMEM/HS and 5-azacytidine+50 ng/μl VEGF

ADSCs; Adipose-derived stem cells, HUVECs; Human umbilical vein endothelial cells, HS; Horse serum, and VEGF; Vascular endothelial growth factor.