

Materials List for:

A Comprehensive Procedure to Evaluate the *In Vitro* Performance of the Putative Hemangioblastoma Neovascularization Using the Spheroid Sprouting Assay

Ying Wang¹, DanQi Chen¹, MingYu Chen¹, KaiYuan Ji¹, DeXuan Ma¹, LiangFu Zhou¹

¹Department of Neurosurgery, Huashan Hospital, Fudan University

Correspondence to: DeXuan Ma at madexuan03@126.com, LiangFu Zhou at lfzhou@126.com

URL: <https://www.jove.com/video/57183>

DOI: [doi:10.3791/57183](https://doi.org/10.3791/57183)

Materials

Name	Company	Catalog Number	Comments
human umbilical vein endothelial cell	Fudan IBS Cell Center	FDCC-HXN180	
dulbecco's modified eagle's medium	Gibco	11995040	
fetal bovine serum	Gibco	26400044	
PLKO.1-puro vector	Addgene	#8453	
packing plasmid psPAX2	Addgene	#12260	
envelope plasmid pMD2.G	Addgene	#12259	
3D round-bottom 96-well plates	S-Bio	MS-9096M	
matrigel	BD Biosciences	354234	
Opti-MEM medium	Gibco	31985-070	reduced serum medium
15-well plate	Ibidi	81501	Air bubbles in the gel can be reduced by equilibrating the μ -Slide angiogenesis before usage inside the incubator overnight
endothelial cell growth supplements	ScienCell	#1052	
10-cm culture dish	Corning	Scipu000813	
Puromycin	Gibco	A1113802	
trypsin-EDTA	Gibco	25200056	
Automated Cell Counter System	BioTech		
Image Analysis software	Winmasis		http://mywim.wimasis.com