

Materials List for:

Wet Chemistry and Peptide Immobilization on Polytetrafluoroethylene for Improved Cell-adhesion

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Materials

Name	Company	Catalog Number	Comments
PTFE foil 0.5 mm	Cadillac Plastic	n/a	
REDV peptide	Genecust	n/a	custom synthesis>95% purity
iso-propanol	Sigma Aldrich	34965	
tetrahydrofuran (THF)	Sigma Aldrich	401757	
dimethylsulfoxide	Sigma Aldrich	D8418	
molecular sieve 3 Å	Sigma Aldrich	208574	
sodium metal	Sigma Aldrich	483745	
phosphate buffered saline (PBS)	Sigma Aldrich	D8537	
naphthalene	Sigma Aldrich	147141	
hydrogen peroxide 30%	Sigma Aldrich	95321	
trichloroacetic acid	Sigma Aldrich	T6399	
diethylene glycol diglycidyl ether	Sigma Aldrich	17741	
hexamethylene diisocyanate (HMDI)	Sigma Aldrich	52650	
Calcein-AM	Sigma Aldrich	56496	
sodium bicarbonate	Sigma Aldrich	S6014	
sodium azide	Sigma Aldrich	71290	
24 well plates	Greiner-Bio-One	662 160	
ATR-FTIR spectrophotometer Nicolet Magna-IR 850	Nicolet	n/a	
fluorescence microscope Olympus X-70	Olympus	n/a	
umbilical vein endothelial cells (HUVECs)	Lonza	n/a	
ePTFE vascular graft	Gore	n/a	