

Materials List for:

# Anionic Polymerization of an Amphiphilic Copolymer for Preparation of Block Copolymer Micelles Stabilized by $\pi$ - $\pi$ Stacking Interactions

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## Materials

Name	Company	Catalog Number	Comments
DMEM/HAMF12	Gibco, Life Technologies	12500	Supplemented with 10% FBS. Warm in 37 °C water bath.
Trypsin-EDTA (0.25%)	Sigma-Aldrich	T4049	Warm in 37 °C water bath
Fetal bovine serum (FBS)	Sigma-Aldrich	F1051	Canada origin
MDA-MB-468 cell line	ATCC	HTB-132	
MTS tetrazolium reagent	PROMEGA	G111B	
Phenazine ethosulfate (PES)	Sigma-Aldrich	P4544	>95%
mPEG5K (Mn 5,400 g/mol)	Sigma-Aldrich	81323	PDI=1.02
Dimethylsulfoxide (DMSO)	Sigma-Aldrich	D4540	>99.5%
Naphthalene	Sigma-Aldrich	147141	>99%
Phenyl glycidyl ether	Sigma-Aldrich	A32608	>85%
Benzophenone	Sigma-Aldrich	427551	>99%
Potassium	Sigma-Aldrich	451096	>98%
Tetrahydrofuran	Caledon Laboratory Chemicals	8900 1	ACS
Hexane	Caledon Laboratory Chemicals	5500 1	ACS
Calcium hydride (CaH <sub>2</sub> )	ACP	C-0460	>99.5%
Diethyl Ether	Caledon Laboratory Chemicals	1/10/4800	ACS
Microplate reader	BioTek Instruments		
Differential scanning calorimetry (DSC)	TA Instruments Inc	DSC Q100	
Gel permeation chromatography (GPC)	Waters	2695 separation module / 2414 detector	2 Columns: Agilent Plgel 5 $\mu$ m Mixed-D
NMR spectroscopy	Varian Mercury 400MHz		
Chloroform-d	Sigma-Aldrich	151858	99.96%
DMSO-d	Sigma-Aldrich	156914	99.96%
Vacuum pump	Gardner Denver Welch Vacuum Tech, Inc.		Ultimate pressure 1x10 <sup>-4</sup> torr
Drierit with indicator, 8 mesh	Sigma-Aldrich	238988	Regenerated at 230 °C for 2 hr