

Materials List for:

## Biomimetic Materials to Characterize Bacteria-host Interactions

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### Materials

Name	Company	Catalog Number	Comments
Reagents			
Tris(2-carboxyethyl)phosphine (TCEP)	Sigma	646547	Danger; corrosive can be bought as solution or freshly prepared
Sulfosuccinimidyl 4-(p-maleimidophenyl)butyrate (Sulfo-SMPB)	Fisher	PN22317	Danger; toxic
L-cysteine	Sigma	30089	Danger; toxic
Latex beads, amine-modified polystyrene, fluorescent blue - aqueous suspension, 2.0 µm mean particle size	Sigma	L0280	harmful; a range of alternative particle sizes and colors is available
1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide (EDC)	Thermo scientific	22980	
N-hydroxysuccinimide (NHS)	Thermo scientific	24500	
Carboxylate-modified polystyrene beads	Sigma	CLB9	harmful; a range of alternative particle sizes and colors is available
Ethylenediamine	Sigma	E26266	Danger; flammable, corrosive, toxic, sensitizing
Bovine Serum Albumin (BSA)	Promega	W3841	
Bradford reagent	Sigma	B6916	Danger; corrosive and toxic
Dulbecco's Modified Eagle's Medium - high glucose - With 4,500 mg/L glucose and sodium bicarbonate, without L-glutamine, sodium pyruvate, and phenol red, liquid, sterile-filtered, suitable for cell culture	Sigma	D1145	for infection experiments
DMEM	Sigma	D6429	for maintenance of cultured host cells
Fetal Bovine Serum, heat inactivated	Sigma	F9665	supplement for tissue culture medium
Penicillin-Streptomycin - Solution stabilized, with 10,000 units penicillin and 10 mg streptomycin/mL, sterile-filtered, BioReagent, suitable for cell culture	Sigma	F9665	supplement for tissue culture medium
PBS	Sigma	D8537	
LDH Cytotoxicity detection kit	Takara	MK401	
Plasticware			

reagent reservoirs (25ml)	SLS	F267660	
24-well plates	Greiner	662160	
96-well plates	Greiner	655182	
Equipment			
haemocytometer			
microcentrifuge			
plate reader			
tissue culture facilities			
multichannel pipette			