

Materials List for:

Qualitative and Quantitative Assays for Detection and Characterization of Protein Antimicrobials

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Materials

Name	Company	Catalog Number	Comments
48-well flat-bottom microplate with low evaporation lid	Becton Dickinson	3078	
96-well flat-bottom microplate (Costar 3595)	Corning, Inc.	3595	
agarose	Fisher Scientific	BP162-100	
α-chymotrypsin	MP Biomedicals	215227205	
Bacillus subtilis 168	American Type Culture Collection	23857	
C1000 Touch Thermal Cycler	Bio-Rad		
cork borer	Humboldt	H-9661	
lysozyme	Sigma-Aldrich	L6876-1G	
McFarland equivalence standard (2.0)	Fisher Scientific	R20412	
microslides	Fisher Scientific	22-38-103	
nutrient broth	Fisher Scientific	S25959B	
peptidoglycan of <i>Bacillus subtilis</i> 168	Sigma-Aldrich	69554-10MG-F	
phosphate-buffered saline (1x)	Teknova	P0200	
Pierce BCA Protein Assay Kit	Life Technologies	23227	
Synergy HT microplate spectrophotometer	BioTek Instruments, Inc.		
Remazol brilliant blue R dye (RBB)	Sigma-Aldrich	R8001	
Salmonella enterica subsp. enterica	American Type Culture Collection	10708	
sodium azide	Fisher Scientific	S227-100	
sodium hydroxide (NaOH)	Fisher Scientific	S318-500	
Titer Tops pre-cut adhesive polyethylene film	Diversified Biotechnology	T-TOPS-50	
UltraPure distilled water	Invitrogen	10977-015	
Name	Company	Catalog Number	Comments
Solution			
agarose solution 50 ml PBS 0.25 g agarose			Add 10% sodium azide to the molten PBS/agarose solution
nutrient broth medium 4 g nutrient broth 500 ml Type I water			

250 mM sodium hydroxide (NaOH) solution 1 g NaOH 99 ml Type I water			
200 mM Remazol brilliant blue R dye (RBB) 1.25 g RBB 98.75 ml 250 mM NaOH solution			