

Materials List for

A Novel Method to Determine the Longitudinal Antibacterial Activity of Drug-Eluting Materials

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Materials

Name	Company	Catalog Number	Comments
96 well plates - polystyrene, High Bind, white flat bottom wells, non-sterile, white, 100/cs	Corning, NY, USA	CLS3922-100EA	
2-mercaptoethanol	Sigma Aldrich, Germany		
ATCC 12600	American Type culture Collection, VA, USA		
BacTiter-Glo Microbial Cell Viability Assay	Promega Corporation, USA	G8231	
BD Bacto Tryptic Soy Broth (Soybean-Casein Digest Medium)	Becton-Dickinson, USA	BD 211825	purchased from Fisher Scientific, USA
BD Luer-Lok Syringe sterile, single use, 3 mL	BD, USA	309657	
BD Needle 5/8 in. single use, sterile, 25 G	BD, USA	305122	
BD BBL Dehydrated Culture Media: Mueller Hinton II Broth (Cation-Adjusted)	Becton-Dickinson, USA	B12322	purchased from Fisher Scientific, USA
BD Difco Dehydrated Culture Media: Tryptic Soy Agar (Soybean-Casein Digest Agar)	Becton-Dickinson, USA	DF0369-17-6	purchased from Fisher Scientific, USA
Boric Acid	Fisher Chemical, NJ, USA		
Branson 1800 ultrasonic bath	Emerson, MO, USA		
Corning Falcon Bacteriological Petri Dishes with Lid	Fisher Scientific, USA	08-757-100D	
Gentamicin Sulfate	Fujian Fukang Pharmaceutical Co., Fuzhou, China		
Greiner UV-Star 96 well plates	Sigma Aldrich, Germany	M3812-40EA	
Hydraulic press	Carver, Inc. Wabash, IN, USA		
L1101			Clinical strain from Dr Kerry Laplante, University of Rhode Island
L1163			Clinical strain from Dr Kerry Laplante, University of Rhode Island
LSE benchtop shaking incubator	Corning, NY, USA		

Methanol, Optima for HPLC, Fisher Chemical	Fisher Scientific, NJ, USA	A454-1	
Napco CO ₂ 6000	Thermo Scientific, MA, USA		
PBS, Phosphate Buffered Saline, 1X Solution, pH 7.4, Fisher BioReagents	Fisher Scientific, USA	BP24384	
Phthalaldehyde ≥97% (HPLC)	Sigma Aldrich, Germany	P1378-5g	
Plate reader (Synergy H1)	Biotek, VT, USA		
press	Carver, Inc. Wabash, IN, USA		
shaker Innova 2100	New Brunswick Scientific, NJ, USA		
ShopBot D2418	ShopBot Tools, Inc., NC, USA		
Sodium Hydroxide	Sigma Aldrich, Germany		
Thermo Scientific Reagent Grade Deionized Water	Fisher Scientific, USA	23-751628	
UHMWPE	GUR1020, Celanese, TX, USA		
Vancomycin Hydrochloride	Fagron, The Netherlands	804148	
WAB Turbula	WAB Turbula, Switzerland		