

Materials List for:

Quantitative Examination of Antibiotic Susceptibility of *Neisseria gonorrhoeae* Aggregates Using ATP-utilization Commercial Assays and Live/Dead Staining

Liang-Chun Wang¹, Jacob Wagner², Annabelle Capino², Elizabeth Nesbit², Wenxia Song², Daniel C. Stein²

¹Department of Marine Biotechnology and Resources, National Sun Yat-Sen University

²Department of Cell Biology and Molecular Genetics, University of Maryland

Correspondence to: Liang-Chun Wang at

URL: <https://www.jove.com/video/58978>

DOI: [doi:10.3791/58978](https://doi.org/10.3791/58978)

Materials

Name	Company	Catalog Number	Comments
100x Kellogg's supplement			
Agar	United States Biological	A0930	
BacTiter Assay	Promega	G8232	
Ceftriaxone	TCI	C2226	
Difco GC medium base	BD	228950	
Ferric nitrate, nonahydrate	Sigma-Aldrich	254223-10G	
Glucose	Thermo Fisher Scientific	BP350-1	
L-glutamine Crystalline Powder	Fisher Scientific	BP379-100	
BacLight live/dead staining	Invitrogen	L7012	
MS11 <i>Neisseria gonorrhoeae</i> strain			kindly provided by Dr. Herman Schneider, Walter Reed Army Institute for Research
Potassium phosphate dibasic (K ₂ HPO ₄)	Fisher Scientific	P290-500	
Potassium phosphate monobasic (KH ₂ PO ₄)	Fisher Scientific	BP329-1	
Proteose Peptone	BD Biosciences	211693	
Sodium chloride (NaCl)	Fisher Scientific	S671-10	
Soluble Starch	Sigma-Aldrich	S9765	
Thiamine pyrophosphate	Sigma-Aldrich	C8754-5G	
Equipment			
Petri Dishes	VWR	25384-302	
8-well coverslip-bottom chamber	Thermo Fisher Scientific	155411	
96-well tissue culture plates	Corning, Falcon	3370	
Biosafety Cabinet (NU-425-600 Class II, A2 Laminar Flow Biohazard Hood)	Nuaire	32776	
CO ₂ Incubator	Fisher Scientific	Model 3530	
Confocal microscope equipped with live imaging chamber	Leica	SP5X	
Corning 96 Well Black Polystyrene Microplate	Corning	3904	
Glomax Illuminator	Promega	E6521	
Pipette tips (0.1-10 µL)	Thermo Fisher Scientific	02-717-133	
Pipette tips (1000 µL)	VWR	83007-382	
Pipette tips (200 µL)	VWR	53509-007	

Spectrophotometer Ultrospec 2000 UV	Pharmacia Biotech	80-2106-00	
Sterile 15 ml conical tubes	VWR	21008-216	
Sterile Microcentrifuge Tubes (1.7 mL)	Sorenson BioScience	16070	
Sterile polyester-tipped applicators	Fisher Scientific	23-400-122	
Sonicator	Kontes	Equivalent to 9110001	