

Materials List for:

# Characterizing Electron Transport through Living Biofilms

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## Materials

Name	Company	Catalog Number	Comments
IDAs	CH Instruments	012125	Manufactured by ALS-Japan; sold by CH Instruments
Wire	Digikey	W7-ND	
Conductive silver epoxy	Electron microscopy sciences	12670-EE	
Insulating material	3M	2131-B	Scotchcast flame retardant compound
15 mL conical centrifuge tube	VWR	89004-368	
21g needle	VWR	BD-305165	
5 mL pipette tips	VWR	82018-842	
5 mL pipettor	VWR	89079-976	
Freshwater medium components	Sigma Aldrich	All standard laboratory chemicals	
Ammonium chloride			
Sodium phosphate monobasic			
Sodium bicarbonate			
Artificial seawater medium components	Sigma Aldrich	All standard laboratory chemicals	
Sodium chloride			
Magnesium chloride hexahydrate			
Magnesium sulfate heptahydrate			
Potassium chloride			
Sodium bicarbonate			
Calcium chloride dihydrate			
Ammonium chloride			
Potassium phosphate dibasic			
Ag/AgCl reference electrode	Basi	MF-2079	
Graphite rod counter electrode	Electron microscopy sciences	70230	
Recirculating water bath	Thermo Scientific	152-5256	
Bipotentiostat	Pine Instruments	WD-20	<a href="http://www.voltammetry.net/pine/aftermath/user">http://www.voltammetry.net/pine/aftermath/user</a>
Stir bars	VWR	58947-114	
<i>G. sulfurreducens</i> culture	ATCC	51573	

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Jacketed reactor	Pine Instruments	RRPG085	
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