

Materials List for:

# Methods for Characterizing the Co-development of Biofilm and Habitat Heterogeneity

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## Materials

Name	Company	Catalog Number	Comments
Peristaltic Pump	Gilson	Miniplus 3	Flow cell setup and inoculation
Pump Tubing 0.50 mm OVC, Orange/Yellow	Gilson	F117934	Flow cell setup and inoculation
Three-way Stopcock w/ Swivel Male Luer lock	Smiths Medical	MX9311L	Flow cell setup and inoculation
Sylgard 184 Solar Cell Encapsulation for Making Solar Panels	ML Solar LLC		Flow cell setup and inoculation
Pyrex Medium Bottle, 1 L, GL45	VWR	16157-191	Flow cell setup and inoculation
C-FLEX Tubing	Cole-Parmer	06422-02	Flow cell setup and inoculation
1 ml TB Syringe	BD	309659	Flow cell setup and inoculation
Polymer Tubing	IDEX	1520G	Flow cell setup and inoculation
Sterile Intramedic Luer Stub Adapter	Clay Adams	427564	Flow cell setup and inoculation
PrecisionGlide Needle	BD	305195	Flow cell setup and inoculation
Spectrophotometer	HACH		Flow cell setup and inoculation
Syringe filters - sterile (0.2 µm)	Fisherbrand	09-719A	Flow cell setup and inoculation
MAXQ Shaker	Thermo Scientific		Flow cell setup and inoculation
Ammonium sulfate	Sigma Aldrich	A4418	Growth media
Sodium phosphate dibasic anhydrous	Sigma Aldrich	RES20908-A7	Growth media
Monobasic potassium phosphate	Sigma Aldrich	P5655	Growth media
Sodium chloride	Sigma Aldrich	S7653	Growth media
Magnesium chloride	Sigma Aldrich	M8266	Growth media
Calcium chloride	Sigma Aldrich	C5670	Growth media
Calcium sulfate dihydrate	Sigma Aldrich	C3771	Growth media
Iron(II) sulfate heptahydrate	Sigma Aldrich	215422	Growth media
Manganese(II) sulfate monohydrate	Sigma Aldrich	M7634	Growth media
Copper(II) sulfate	Sigma Aldrich	451657	Growth media
Zinc sulfate heptahydrate	Sigma Aldrich	Z0251	Growth media
Cobalt(II) sulfate heptahydrate	Sigma Aldrich	C6768	Growth media
Sodium molybdate	Sigma Aldrich	243655	Growth media
Boric acid	Sigma Aldrich	B6768	Growth media
Dextrose	Sigma Aldrich	D9434	Growth media

Luria Bertani Broth	Sigma Aldrich	L3022	Growth media
TCS SP2 Confocal Microscopy	Leica		Fluorescent imaging
SYTO 62	Life Technology	S11344	Fluorescent imaging
Cy5	GE Healthcare Life Sciences	PA15100	Fluorescent imaging
Red Fluorescent (580/605) FluoSphere	Life Technology	F-8801	Fluorescent imaging
BioSPA	Packman Lab		Image Processing
ImageJ	NIH		Image Processing
Volocity	PerkinElmer		Image Processing
Streams 2.02	University of Canterbury		Image Processing