

Materials List for:

Surface Potential Measurement of Bacteria Using Kelvin Probe Force Microscopy

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Materials

Name	Company	Catalog Number	Comments
5500ILM Atomic Force Microscope	Agilent Technologies	#N9435S	
AFM/STM Metal Specimen Discs	TED PELLA, INC.	#16219	Stainless steel sample discs
DPE (Low-Noise) Conductive SPM Probes	Mikromasch	#HQ:DPE-XSC11	There are 4 Pt-coated cantilevers per chip. We utilized cantilever B for experiments.
PELCO Gold Coated AFM/STM Metal Specimen Discs	TED PELLA, INC.	#16218-G	Gold sample discs
PicoView Software	Agilent Technologies	#N9797B	5500ILM Atomic Force Microscope imaging software
Pico Image Software (Pico Image Basic)	Agilent Technologies	#N9797AU-1FP	5500 ILM Atomic Force Microscope post-image processing software
Scilogex D3024 High Speed Micro-Centrifuge	Thomas Scientific	#91201513	Centrifuge used in cell-washing steps to separate cells (pellet) from media
Trypticase Soy Agar with 5% Sheep Blood	BD	#221261	Pre-made plates
Tryptic Soy Broth	BD	#257107	Comes as a dry powder. Instruction on how to make come on the container.