

Materials List for:

Sub-nanometer Resolution Imaging with Amplitude-modulation Atomic Force Microscopy in Liquid

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Materials

Name	Company	Catalog Number	Comments
Multimode IIIA AFM	Brucker	NA	One of the machine used
Cypher ES AFM	Asylum Resarch	NA	One of the machine used
AFM cantilever/tip	Nanoworld	Arrow UHF-AUD	best for high frequency
AFM cantilever/tip	Olympus	RC800-PSA	versatile and cheap
ultrapure water	Milipore	NA	lab filtering systems can induce contamination
Dimethyl sulfoxide	Sigma-Aaldrich	200-664-3	standard chemical, no further purification
Monovalent salts	Sigma-Aaldrich		standard chemical, no further purification
Lipids	Avanti Polar Lipids		lipid bilayers formed using stadard protocols
Crystals	MTI		polished crystals
Scotch tape	3M	Scotch Magic Tape	Translucent tape works best. Transparent sticks too strongly