

Materials List for:

Application of Atomic Force Microscopy to Detect Early Osteoarthritis

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Materials

Name	Company	Catalog Number	Comments
Amphotericin B	Merck	A2942	
Atomic Force Microscope (AFM)	CellHesion 200, JPK Instruments, Berlin, Germany	JPK00518	
AFM head	(CellHesion 200) JPK	JPK00518	
Biocompatible sample glue	JPK Instruments AG, Berlin, Germany	H000033	
Cantilever	tip C, k ¼ 7.4 N/m, All-In-One-AleTI, Budget Sensors, Sofia, Bulgaria	AIO-TL-10	
Dulbecco's modified Eagle's medium (DMEM)	Gibco, Life Technologies, Darmstadt, Germany	41966052	
Inverted phase contrast microscope (Integrated with AFM)	AxioObserver D1, Carl Zeiss Microscopy, Jena, Germany	L201306_03	
Leibovitz's L-15 medium without L-glutamine	(Merck KGaA, Darmstadt, Germany)	F1315	
Microspheres	Polysciences	07313-5	
Penicillin-Streptomycin	Sigma	P4333	
Petri dish heater associated with AFM	JPK Instruments AG, Berlin, Germany	T-05-0117	
Scalpel	Feather	2023-01	
Tissue culture dishes	TPP Techno Plastic Products AG, Trasadingen, Switzerland	TPP93040	
Tissue-tek O.C.T. Compound	Sakura Finetek, Alphen aan den Rijn, Netherlands	SA6255012	