

Materials List for

Label-Free Surface-Enhanced Raman Scattering Bioanalysis Based on Au@Carbon Dot Nanoprobes

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Materials

Name	Company	Catalog Number	Comments
10x PBS buffer (Cell culture)	Lange Technology	BL316A	
6 well cell culture plate	LABSELECT	11110	
Cell Counting Kit-8 (CCK-8)	GLPBIO	GK10001	
Citric acid	Shanghai Aladdin Biochemical Technology	C108869	
CO ₂ incubator	Thermo Fisher Technologies	3111	
Constant temperature magnetic agitator	Sartorius Scientific Instruments	SQP	
Cryogenic high speed centrifuge	Shanghai Boxun	SW-CJ-2FD	
DMEM high glucose cell culture medium	Procell	PM150210	
Electronic balance	Sartorius Scientific Instruments	SQP	
Enzyme marker	Thermo Fisher Technologies	3111	
Fetal bovine serum	Zhejiang Tianhang Biological Technology	11011-8611	
Figure 1	Figdraw.		
Fourier infrared spectrometer	Thermo, America	Nicolet 380	
Freeze dryer	Tecan	Infinite F50	
Gallic acid	Shanghai Aladdin Biochemical Technology	G104228	
Handheld Raman spectrometer	OCEANHOOD, Shanghai, China	Uspectral-PLUS	
HAuCl ₄	Guangzhou Pharmaceutical Company (Guangzhou)		
High resolution transmission electron microscope	Thermo Fisher Technologies	FEI Tecnai G2 Spirit T12	
High temperature autoclave	Shanghai Boxun	YXQ-LS-50S II	
Inverted microscope	Nanjing Jiangnan Yongxin Optical	XD-202	
LB Broth BR	Huankai picoorganism	028320	

Medical ultra-low temperature refrigerator	Thermo Fisher Technologies	ULTS1368	
Methylene blue	Sigma-Aldrich		
Pancreatin Cell Digestive Solution	beyotime	C0207	
Penicillin streptomycin double resistance	Shanghai Boxun	YXQ-LS-50S II	
Pure water meter	Millipore, USA	Milli-Q System	
Raman spectrometer	Renishaw		
Sapphire chip	beyotime		
Thermostatic water bath	Changzhou Noki		
Ultra-clean table	Shanghai Boxun	SW-CJ-2FD	
Uv-visible light absorption spectrometer	MADAPA, China	UV-6100S	
Wire 3.4	Renishaw		