

Materials List for:

Surface-Enhanced Resonance Raman Scattering Nanoprobe Ratiometry for Detecting Microscopic Ovarian Cancer *via* Folate Receptor Targeting

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Materials

Name	Company	Catalog Number	Comments
Name of Reagent			
Ascorbic acid	Sigma-Aldrich	A5960	
3-MPTMS	Sigma-Aldrich	175617	
Ammonium hydroxide (28%)	Sigma-Aldrich	338818	
Anti-Folate Receptor antibody [LK26]	AbCam	ab3361	
Dimethyl sulfoxide	Sigma-Aldrich	276855	
Dimethyl sulfoxide (anhydrous)	Sigma-Aldrich	276855	
Ethanol	Sigma-Aldrich	792780	
IR140	Sigma-Aldrich	260932	
IR780 perchlorate*	Sigma-Aldrich	576409	Discontinued*
Isopropanol	Sigma-Aldrich	650447	
N.N.Dimethylformamide	Sigma-Aldrich	227056	
PEG crosslinker	Sigma-Aldrich	757853	
PEG-maleimide	Sigma-Aldrich	900339	
Tetrachloroauric Acid	Sigma-Aldrich	244597	
Tetraethyl Orthosilicate	Sigma-Aldrich	86578	
*IR792	Sigma-Aldrich	425982	*Alternative
Name of Equipment			
Dialysis cassette (3,500 MWCO)	ThermoFisher	87724	
Centrifugal filters	Millipore	UFC510096	
inVia confocal Raman microscope	Renishaw		
MATLAB (v2014b)	Mathworks		
PLS Toolbox (v8.0)	Eigenvector research		