

Materials List for:

Energy Dispersive X-ray Tomography for 3D Elemental Mapping of Individual Nanoparticles

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Materials

Name	Company	Catalog Number	Comments
Titan G2 80-200 STEM	FEI		With Super-X detector
2020 tomography holder	Fischione		
Carbon film on 200 mesh copper grid	Agar Scientific	AGS160	
EDX Acquisition software	Bruker		Esprit
Tomographic alignment and reconstruction software	FEI		Inspect3D, alternatives available
Tomographic alignment and reconstruction software package	University of Colorado		IMOD, alternatives available
Visualisation software	FEI		Avizo, alternatives available
Image processing software	Gatan		Digital Micrograph, alternatives available
Image visualisation software	Open Source		Fiji, alternatives available
Polyvinyl-pyrrolidone	Sigma-Aldrich	856568	
Ethylene glycol	Sigma-Aldrich	V900208	
Silver nitrate	Sigma-Aldrich	209139	
Benchtop Centrifuge	Thermo Scientific	75007200	
Round bottom flask	Sigma-Aldrich	Z41,452-2	1,000 ml
Hydrogen tetrachloroaurate trihydrate	Sigma-Aldrich	520918	